

# **Exhibit A**

# Curriculum Vitae

**Guy Barrington MARKS**

B Med Sc NSW, MBBS Hons 2(2) NSW, PhD Syd, MRCP (UK), FRACP, FAFPHM

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## **Contact details**

Woolcock Institute of Medical Research  
PO Box M77  
Missenden Road Post Office  
NSW 2050  
Australia

Tel: +61 2 9114 0466  
Fax: +61 2 9114 0012

Chest Clinic  
Liverpool Hospital  
Locked Bag 7103  
Liverpool, NSW 1871  
Australia

Tel: +61 2 9828 4888  
Fax: +61 2 9828 4924

Email: [g.marks@unsw.edu.au](mailto:g.marks@unsw.edu.au)

Mobile: 0419 251 565

## **Personal details**

Australian citizen,

Born 4<sup>th</sup> May, 1957

Male

## **Current salaried appointments**

NHMRC Practitioner Fellow and  
Head, Epidemiology Group  
Woolcock Institute of Medical Research

Senior Staff Specialist Physician,  
Department of Respiratory Medicine  
Liverpool Health Service

## **Other current positions**

Director, Australian Centre for Asthma Monitoring  
(a collaborating unit of the Australian Institute of Health and Welfare)

Conjoint Professor, School of Public Health and Community Medicine and  
Department of Medicine, South West Sydney Clinical School  
University of New South Wales

Director of Respiratory Medicine, Sydney South West Area Health Service (Western Zone)

Clinical Professor, Central Clinical School (Discipline of Medicine) and School of Public Health,  
Faculty of Medicine, University of Sydney

Project Leader, Cooperative Research Centre for Asthma

Chief Investigator, NHMRC Centre for Clinical Research Excellence in Respiratory and Sleep  
Medicine

## **Scientific Discipline Involvement**

### **Committees**

#### **International**

1. Member, Respiratory Disease Questionnaire ad hoc committee, American Thoracic Society (1998- )
2. Co-ordinator, Epidemiology program, World Asthma Meeting, Barcelona, (1998)
3. Member, International Union Against Tuberculosis and Lung Disease Working group on asthma guidelines for children in low income countries (1998)
4. Member, Program Committee, Environmental and Occupational Health Assembly, American Thoracic Society (2001- 02)
5. Burden of Obstructive Lung Disease (BOLD) International Advisory Panel (2003-)
6. Councillor, Asia Pacific Society for Respirology (2002-)
7. Associate Editor, International Journal of Tuberculosis and Lung Diseases (2003-)
8. Member, Project Review Panel for FIDELIS project, International Union Against Tuberculosis and Lung Disease (2003-6)
9. Member, Editorial Board of Respirology, official journal of the Asia Pacific Society of Respirology (2004-6)
10. Member, International Union Against Tuberculosis and Lung Disease / Asthma Drug Facility Clinical Advisory Group (2007-)
11. Member, International Committee, American Thoracic Society, 2008-

#### **Local and National**

1. Co-convenor, Population Health Special Interest Group of the Thoracic Society of Australia and New Zealand (1997-2002)
2. Chairperson, Asthma Prevention Working Group, NSW Health Department (1997-98)
3. Chairperson, SWSAHS Advisory Committee on Respiratory Disease (1999-)
4. Convenor, SWSAHS committee for planning Area respiratory services (2000-2001)
5. Director, Community Health and Ant-tuberculosis Association (CHATA) (1998-2004)
6. Member of the Asthma Expert Panel, NSW Health Department (1997-2000)
7. Member, Asthma Data Working Group, NSW Health Department (1998-2000)
8. Member, Clinical Research Subcommittee, Research Awards Advisory Committee, Community Health and Anti-tuberculosis Association (1998-2004)
9. Member, Respiratory Infectious Diseases Consultative Group, Australian Lung Foundation (1998-2001)
10. Member, Director-General's Clinical Advisory group, NSW Health Department (1997-2000)
11. Member, NSW Health Department Tuberculosis Advisory Committee (1999-)
12. Member, NSW Health Department committee on Multi-drug resistant tuberculosis (1999-)
13. Member, Research Training Committee, South Western Sydney Area Health Service (1999-2003)
14. Member, Respiratory Clinical Expert Reference Committee, NSW Department of Health (2000-01)
15. Member, NHMRC Grant Review Panel 3B (Respiratory/Foetal/Paediatric) 2001, 2002
16. Member, National Asthma Reference Group, Evaluation sub-group, 2002-3

17. Chairperson, National Asthma Council Committee on Complementary and Alternative Medicines, 2003-4
18. Member, Australian Lung Foundation Evaluation Committee for the COPDX program (2003-4)
19. Member, Steering Committee, GlaxoSmithKline Australian Asthma Survey (2003-4)
20. Member, SWSAHS Clinical Council (2002-2004)
21. Member, Asthma Health Promotion and Programs Committee, Asthma NSW (2006 -)
22. Member, Dept of Health and Ageing, National Asthma Strategy Expert Group (2008-)

***Professional Organisation Memberships***

1. Fellow, Royal Australasian College of Physicians
2. Fellow, Australasian Faculty of Public Health Medicine
3. Member, Royal College of Physicians, London
4. Member, Thoracic Society of Australia and New Zealand
5. Member, American Thoracic Society
6. Member, International Union Against Tuberculosis and Lung Disease
7. Member, Asia-Pacific Society for Respirology
8. Member, National Association of Research Fellows of NHMRC (NARF)
9. Member, Doctors Reform Society

**Previous appointments**

***Academic / Research***

2000 – 2007	Conjoint Associate Professor, Faculty of Medicine, University of New South Wales
2000 – 2007	Honorary Associate Professor, Faculty of Medicine, University of Sydney
1994 – 2007	Conjoint Senior Lecturer, Faculty of Medicine, University of New South Wales
1998 – 2000	Senior Lecturer, Department of Medicine, University of Sydney, (appt date: 20/10/1998)

***Clinical***

1994 – 2007	Director, Department of Respiratory Medicine, Liverpool Hospital
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## **Academic Record**

**MBBS Honours Class 2 Division 2**, University of New South Wales

Enrolled 1975 - 1980, degree awarded 1981

**Bachelor of Medical Science**, University of New South Wales

Undertaken as a "Miscellaneous Student" 1978, School of Community Medicine

Degree awarded 1980

**Doctor of Philosophy**, University of Sydney

Enrolled 1989 to 1992, Department of Medicine.

Degree awarded 1993

Thesis title: "Assessment of exposures and outcomes in asthma"

## **Awards, Scholarships and Fellowships.**

- Alumni Award for Achievement, University of NSW. 1981
- NSW Department of Health Postgraduate Medical Research Scholarship, 1989.
- NHMRC Postgraduate Medical Research Scholarship, 1990-2.
- Norman Rose Memorial Travelling Scholarship, Sydney Hospitalers, 1992
- Lillian Roxon Memorial Travel Grant, Asthma Foundation of Victoria, 1992
- Cottrell Fellowship, Royal Australasian College of Physicians, 1992-3.
- Travelling Fellowship, Asthma Foundation of NSW, 1992-4
- Rolf Edgar Lake Research Fellow, University of Sydney, 1997-2000
- NHMRC Practitioner Fellowship, 2001-2010
- Medical Research Media Award, Research Australia, 2006
- European Respiratory Society Visiting Professor, 2008

## **Local, National and International Profile**

### **Invited Speaker at International Meeting**

- 1) "Measurement of perception in patients with asthma". Postgraduate course, European Respiratory Society, Stockholm, September, 1996
- 2) "Quality of life in asthma." International Paediatric Respiratory Congress, Sydney, March, 1997
- 3) "Mite elimination: Effect on Asthma." House Dust Mite: Its Biology and Role in Allergy. An International Scientific Workshop, with a focus on Norway and the Scandinavian countries. Oslo, Norway, 4<sup>th</sup> - 7<sup>th</sup> September, 1997
- 4) "Role of bacterial and mycobacterial infections in asthma" Asia Pacific Society for Respirology Congress, Sydney, October, 1998
- 5) "Interventions for the prevention of asthma". Symposium at World Congress of the International Union Against Tuberculosis and Lung Disease. Bangkok, November, 1998
- 6) "How to measure the cost of asthma management". Symposium at World Congress of the International Union Against Tuberculosis and Lung Disease. Bangkok, November, 1998
- 7) "Can we improved the cost-effectiveness of asthma management" Symposium at World Congress of the International Union Against Tuberculosis and Lung Disease. Bangkok, November, 1998
- 8) Plenary session reporting on Working Groups, World Asthma Meeting, Barcelona, December, 1998
- 9) "The incidence of tuberculosis in a cohort of South East Asian refugees arriving in Australia, 1984 to 1994." Asia Pacific Society for Respirology Workshop at the Japan Respiratory Society, Hiroshima, March 2000
- 10) "Practical allergen avoidance in infancy" Breakfast session at the International Congress on Allergology and Clinical Immunology, Sydney, October, 2000
- 11) "The Clinician Factor: The Effect of Practice Patterns on Asthma Management", at Mini-symposium, American Thoracic Society International Scientific Meeting, San Francisco, May 2001
- 12) "Lung function growth from childhood to young adult life: findings from the Belmont cohort study." Symposium presentation, American Thoracic Society International Scientific Meeting, Atlanta, May 2002 (delivered, in my absence, by Wei Xuan).
- 13) "Childhood asthma in the market economies". Symposium presentation, World Conference on Lung Health, International Union Against Tuberculosis and Lung Disease (IUATLD), Montreal, October, 2002
- 14) "Ann Woolcock's outstanding contribution to the study of asthma." Symposium presentation, World Conference on Lung Health, International Union Against Tuberculosis and Lung Disease (IUATLD), Montreal, October, 2002
- 15) Symposium on infant cohort studies. Wellington School of Medicine, Wellington, NZ. 8<sup>th</sup>-9<sup>th</sup> August, 2003.
- 16) "Public health approaches to the problems of asthma and COPD". Ann J Woolcock Memorial Lecture. Plenary lecture at the 8<sup>th</sup> Asia Pacific Society for Respirology Congress, Kuala Lumpur, Malaysia, 1<sup>st</sup> Dec 2003
- 17) Cost effectiveness of asthma treatment. World Congress on Lung Health, International Union Against Tuberculosis and Lung Disease, Paris, 4<sup>th</sup> November 2006
- 18) Global and geographical variation in the prevalence of COPD. World Congress on Lung Health, International Union Against Tuberculosis and Lung Disease, Paris, 3<sup>rd</sup> November, 2006
- 19) Evidenced-based approach to reducing the burden of asthma. Invited Lecture, Ottawa, 28<sup>th</sup> May, 2007

- 20) Australian experience with monitoring health outcomes. Keynote address at “Measuring Respiratory Disease Outcomes” symposium, hosted by Hospital for Sick Children, Toronto, Canada, 16<sup>th</sup> May, 2008
- 21) Presentation at Respiratory Research Rounds, Hospital for Sick Children, Toronto, Canada, 26<sup>th</sup> May, 2008
- 22) “Evidence-based strategies for the reducing the burden of asthma in populations: what works and what doesn’t”. Presentation at Respiratory Grand Rounds, Royal Brompton Hospital and National Heart & Lung Institute, Imperial College, London, 30<sup>th</sup> May, 2008
- 23) Presentation at Respiratory Dept Research Meeting, Academic Medical Center, Amsterdam, Netherlands. 3<sup>rd</sup> July, 2008

**Invited Speaker at Major National Meeting**

- 24) Air pollution seminar. Clean Air Society and the Thoracic Society of Australia and NZ (Victorian Branch). 1992.
- 25) Workshop on oxidant pollution. Clean Air Society and the Environment Protection Authority of Victoria. 1 July, 1992.
- 26) Evaluating new respiratory drugs: role of quality of life measurement. Thoracic Society of Australia and NZ symposium, December 1994, Sydney.
- 27) “Adverse respiratory health effects of air pollution.” Invited contribution. “Our Health - Our Environment” AMA Forum, Canberra, 20th October, 1995
- 28) “Asthma: why is it so common in Australia and New Zealand.” Invited contribution. Annual Scientific Meeting, Royal Australasian College of Physicians, Canberra, 1996
- 29) “How does air pollution affect respiratory health?” Invited contribution. NSW Health and NSW Environment Protection Authority symposium, Sydney, June, 1996.
- 30) “Air pollution and public health”. AMA Conference on Air Pollution and Health, The Facts. Canberra 10th November, 1997
- 31) “Atmospheric particles and asthma” Seminar on Fine Particles, Clean Air Society of Australia and New Zealand, Leura, 4th December, 1998
- 32) “Links between infection & allergy: how robust is the epidemiological evidence?” Asthma Special Interest Group Symposium. Annual Scientific Meeting, Thoracic Society of Australia and New Zealand. Canberra, 2nd March, 1999
- 33) “The TBU - assessment of infected migrants once in Australia”. Symposium of tuberculosis in migrants. Annual Scientific Meeting, Thoracic Society of Australia and New Zealand, Canberra, 28th February, 1999
- 34) “Measurement of quality of life”. Plenary session at Advanced Course, Thoracic Society of Australia and NZ. Coolum, September, 1999
- 35) “The role of BCG vaccination in the prevention and control of tuberculosis”. TB in the New Millennium Conference, Australian Society for Microbiology, Cairns, 14th – 18th July, 2000
- 36) “Measuring Quality of Life in Clinical Practice” Airways 2000 workshop, Noosa, Qld. 28th – 29th July, 2000
- 37) “Community acquired pneumonia: burden of illness” Australian Lung Foundation Respiratory Infectious Diseases Consultative Group Workshop, Sydney 3rd – 4th August, 2001
- 38) “Childhood asthma prevention study – preliminary results.” CRC for Asthma Conference, Melbourne, 28th November, 2001
- 39) “COPD, dyspnoea, and wheezing in the elderly patient.” The General Practitioner Conference and Exhibition, Homebush Bay, Sydney 26th May, 2002.
- 40) “Asthma: natural history and risk factors” Australasian Society of Clinical Immunology and Allergy Satellite Meeting, Wirrina Cove, SA. 30th September, 2002

- 41) "Clinical importance of allergen exposure in asthma" Australasian Society of Clinical Immunology and Allergy Satellite Meeting, Wirrina Cove, SA. 30th September, 2002
- 42) "Tuberculin survey among Australian-born children of SE Asian migrants living in south western Sydney" Australian Society of Microbiology Mycobacteriology SIG, Westmead, NSW 3rd February, 2003
- 43) "The impact and burden of asthma". Keynote address. Australian Asthma Conference, Melbourne, 23rd February, 2004.
- 44) "Tuberculosis". Lecture to Advanced Trainees Short Course, Thoracic Society of Australia and New Zealand, Sydney, 20th March, 2004
- 45) "Nontuberculous Mycobacterial Disease". Meet the Expert Breakfast Session, Thoracic Society of Australia and New Zealand, Sydney, 24th March, 2004
- 46) "Health effects of Adverse Air Quality", Invited speaker at Clean Air Forum, NSW Department of Environment and Conservation, Sydney, 17th November, 2004
- 47) "Environmental factors and gene-environment interactions in the aetiology of asthma", Invited Speaker at Symposium on Early Life Origins of Respiratory Disease" at Australian Health and Medical Research Conference, Sydney, 23rd – 26th November, 2004
- 48) "Gaseous pollutants". Presentation to working group on Indoor Air Quality, Australian Department of Environment and Heritage, Canberra, 2nd December, 2004
- 49) "Prevention of Asthma" Plenary presentation at Asthma Australia Conference, Adelaide, 24<sup>th</sup> October, 2006

#### **Local and National Invited Presentations**

1. "Childhood asthma prevention study" Back to the future: a family centred approach, Division of Women's and Child Health, Liverpool Health Service, 22<sup>nd</sup> July, 1998
2. "Tuberculosis in refugees." Centre for Health Equity Training Research and Evaluation, South Western Sydney Area Health Service. 7<sup>th</sup> August, 1998
3. Tuberculosis. Seminar on Infectious Disease. South West Sydney Area Health Service. Liverpool, 22<sup>nd</sup> February, 1999
4. "Tuberculosis in refugees screened at Liverpool Hospital, 1984 to 1994". Tuberculosis Research Meeting, Prince of Wales Hospital, Randwick NSW September, 1999
5. "Keeping your house in order: housing design and asthma prevention". Dean's Lecture. University of Sydney, 24th November, 1999
6. "Update on asthma management." Liverpool Division of General Practice, Liverpool NSW. 23<sup>rd</sup> September, 2002
7. "Update on TB epidemiology". Thoracic Society of Australia and NZ, NSW Branch, 19<sup>th</sup> August 2003.
8. "Differentiating asthma and COPD. COPDX guidelines" Fairfield Division of General Practice, 21<sup>st</sup> August, 2003
9. "Uses of Pharmaceutical Benefits Scheme data to investigate asthma management and its outcomes", Australian Institute of Health and Welfare seminar, 14<sup>th</sup> November, 2006
10. "Thunderstorm asthma and update on management of asthma" Riverina Division of General Practice, Wagga Wagga, 3<sup>rd</sup> April 2007
11. "Tools for information needs assessment and monitoring" AIHW/ACAM workshop on Occupational Asthma, Canberra, 14<sup>th</sup> – 15<sup>th</sup> August, 2008

#### **International Session Chairing**

1. Workshop on Asthma Management Plans, Asia Pacific Society for Respirology, Singapore, July 1997 (group leader)

2. Epidemiology Working Group, World Asthma Meeting, Barcelona, 1998 (co-convenor)
3. Poster Discussion Session, International Congress on Allergology and Clinical Immunology, Sydney, October, 2000
4. Mini-symposium on Asthma Management, American Thoracic Society International Scientific Meeting, San Francisco, May 2001
5. Poster session, 8<sup>th</sup> Asia Pacific Society for Respirology Congress, Kuala Lumpur, Malaysia, December, 2003

**Local and National Session Chairing**

6. Thoracic Society of Australia and New Zealand, Annual Scientific Meetings 1997, 1998, 1999 and 2000, 2002, 2007
7. Asthma Foundation Workshop, Sydney 1998, 1999
8. Respiratory Infectious Diseases Consultative Group Workshop on Viruses and Asthma, Sydney, November, 1999

**International visits**

The following visits were undertaken during my sabbatical leave, May to October, 2008

- Visitor, Department of Respiratory Medicine, Hospital for Sick Children, Toronto, Canada. 26<sup>th</sup> May, 2008. Host: Dr Sharon Dell
- Visitor, Montreal Chest Institute, Montreal Canada. 23<sup>rd</sup> May, 2008. Host: Dr Dick Menzies
- Visiting Professor, National Heart and Lung Institute, Imperial College, London. 2<sup>nd</sup> to 27<sup>th</sup> June, 2008 (ERS Visiting Professorship): Host: Professor Peter Burney
- Visitor, Department of Respiratory Medicine, Charing Cross Hospital, London. 16<sup>th</sup> June, 2008. Host: Professor Martyn Partridge
- Visitor, Department of Respiratory Medicine and Allergy, Wythenshawe Hospital and University of Manchester, Manchester, UK. 25<sup>th</sup> June, 2008. Host: Professor Adnan Custovic
- Visiting Fellow, Institute of Risk Assessment Sciences, University of Utrecht, Utrecht, Netherlands. 30<sup>th</sup> June to 11<sup>th</sup> July, 2008. Host: Professor Bert Brunekreef
- Visitor, Department of Respiratory Medicine, Academic Medical Center (AMC), Amsterdam, Netherlands. 3<sup>rd</sup> July 2008. Host: Professor Peter Sterk.

## **Post-graduate and Undergraduate teaching**

### ***Post-graduate supervision***

#### **Post-doctoral Fellows**

Gea De Meer	2002 - 2003
Catarina Almqvist	2004 - 2007

#### **Completed PhD supervision**

Michelle Haby:	graduated 1998	Associate supervisor (last year)
	Risk factors for asthma and atopy in preschool children	
Cheryl Salome	1997-2001	Associate supervisor
	The perception of breathlessness during induced airway narrowing	
Sara Downs	1997-2001	Associate supervisor
	Asthma in rural Australia and the clinical importance of Alternaria	
Anup Desai	2000-2003	Associate supervisor
	Obstructive sleep apnoea and driver performance: prevalence, correlates, and implications for driver fatigue	
Brett Toelle	1997-2003	Associate supervisor
	Factors associated with non-adherence to prescribed asthma medication	
Nguyen Nhat Linh	2002-2006	Supervisor
	Epidemiology and control of tuberculosis in New South Wales	

#### **Ongoing PhD supervision**

Christine Cowie	2006-	Supervisor
Lydia Makare	2006-	Associate supervisor

(All above at University of Sydney).

#### **Completed other supervision**

Seham Girghis, Public Health Officer, NSW Department of Health, 1998-99, Supervisor
Phan Thai, Visiting Fellow in Respiratory Medicine, 1998, Supervisor
Robyn Paton, Master of Community Health, Charles Sturt University, 1998/99, external supervisor
Adrian Chung, Honours in Medicine, University of Tasmania, 1999, Supervisor
Carole Harris, GMP Honours and Australian Youth Ambassador, Uni. Sydney, 1999-2001, Supervisor
Sharyn Rayner, GMP Honours, University of Sydney, 1999-2000, Supervisor
Catherine Dobbin, MPH Treatise, University of Sydney, 2002-03, Supervisor
Femke Koedijk, Research Internship & Treatise, Masters of Health Sciences, University of Maastricht, 2002-3, Supervisor
Anne Foyer, Public Health Officer, NSW Department of Health, 2003, Supervisor

#### **Ongoing other supervision**

Camilla Hoyos, MPH Honours Treatise, University of Sydney, 2007, Supervisor
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Leanne Poulos, MPH Honours Treatise, University of Sydney, 2007, Supervisor

Claudia Dobler, NHMRC CCRE Training Fellow, Liverpool Hospital, 2007, Supervisor

***Theses marked***

Douglas James Elliott, candidate for PhD	1997
Department of Public Health and Community Medicine, University of Sydney	
Kamille Tikaram, candidate for M Comm Health	1998
College of Health Sciences, University of Sydney	
Anne-Maree Davis, candidate for Master of Health Science (Asthma Education)	2000
Charles Sturt University	
Preeti A. Joshi, candidate for PhD	2000
Department of Paediatrics, University of Sydney	
Jolanta Ciuk, candidate for PhD	2001
Department of Environmental Health, School of Medicine, Flinders University of South Australia	
Bin Jalaludin, candidate for PhD	2001
Department of Public Health and Community Medicine, University of Sydney	
Geoffrey Morgan, candidate for PhD	2001
Department of Public Health and Community Medicine, University of Sydney	
Elizabeth Geelhoed, candidate for PhD	
Departments of Medicine and of Population Health, University of Western Australia	2003
Janice McKay, candidate for Master of Psychology (Clinical)	
University of Newcastle	2004
Jacqui Joseph-Bowen, candidate for PhD	
School of Paediatrics and Child Health, University of Western Australia	2005
Narges Bagheri Lankarani, candidate for PhD	
School of Health Sciences, University of Wollongong	2006
Anamika Jithoo, candidate for PhD	
Department of Medicine, University of Cape Town	2007
David Hughes, candidate for PhD	
School of Medicine, University of Queensland	2008

***Teaching***

I have lectured and tutored in epidemiology, biostatistics and medicine to post-graduate and undergraduate students at the University of NSW, University of Sydney, and University of London since 1989. Responsibilities have included course design, development of course material, writing and delivering lectures, conducting various series of tutorials, bedside teaching and student assessment.

***Undergraduate and graduate teaching***

At **University of New South Wales** my undergraduate teaching is mainly in respiratory medicine. My responsibilities, which have been undertaken in each year since 1995, include:

- lectures on topics in respiratory medicine to year 3, 4 and 6 students on campus
- four to six seminars each year on respiratory medicine for years 4 and 6 students at Liverpool Hospital
- clinical teaching of UNSW and visiting elective students attached to the respiratory unit at Liverpool Hospital

Since 2002, I have supervised and tutor Med 4 students attached to the respiratory unit at Liverpool Hospital and have also co-ordinated the Year 4 Campus-based symposium on respiratory disease.

In previous years I have participated in Final Year and Year Four Clinical Exams and Trial exams.

At the **University of Sydney** I have been a tutor in the Evidence Based Medicine program for Year 1 and/or Year 2 students in the USyd Medical Program since 1998. In the past I have lectured on public health aspects of respiratory disease to the students in the Undergraduate Medical Program.

#### **International courses given**

- International Respiratory Epidemiology Workshop, Kuala Lumpur, 1996. Course co-ordinator.
- International Respiratory Epidemiology Workshop, Manila, 2<sup>nd</sup> - 4<sup>th</sup> February, 1998, Course co-ordinator
- Epidemiology and Research Methods Workshop for Master of Medicine students (MONAHP project), Port Moresby, Papua New Guinea, 13<sup>th</sup> – 16<sup>th</sup> August, 1998. Course co-ordinator.

For each of these courses I

- designed the course (based on an outline from previous courses),
- co-ordinated the faculty (between four and seven people),
- designed some of the teaching material,
- gave several lectures and tutorials
- undertook a course evaluation
- reported on the course outcome

- First Beijing International Course in Research Methods for the Promotion of Lung Health. (IUATLD, USAID and Chinese Tuberculosis Association), Beijing, China. 22nd – 30th October, 1999.

For this course I designed some of the teaching materials and gave lectures and tutorials.

#### **Local Courses Given**

Study Design, Implementation and Analysis Workshop, CRC for Asthma, Brisbane, 16-17 March, 2001

Update of Tuberculosis for Advanced Trainees in Respiratory Medicine and Infection Diseases, Sydney, March 2005

For both these courses I proposed the course, co-ordinated it, and presented some of the material.

#### **Peer review activities**

I am or have been a member of the following grant review boards:

- Project Review Committee for FIDELIS (Fund for Innovative DOTS Expansion through Local Initiatives to Stop TB), for International Union Against Tuberculosis and Lung Disease, 2003 and 2004
- NHMRC Grant Review Panel 3B (Respiratory/Foetal/Paediatric) 2001 and 2002
- Clinical Research Subcommittee of Research Awards Advisory Committee, Community Health and Tuberculosis Australia (CHATA) 1999 - 2003
- Research Advisory Committee, Asthma Foundation of NSW since 2001

I am an Associate Editor of International Journal of Tuberculosis and Lung Diseases

I have undertaken peer review for national and international journals, funding bodies and conferences. One average I review one to two manuscripts or grants per month. These have included:

#### **Journals**

American Journal of Respiratory and Critical Care Medicine, Australian and NZ Journal of Medicine, Australian and NZ Journal of Public Health, Biodrugs, Clinical and Experimental Allergy, Cochrane Collaboration, Controlled Clinical Trials, European Respiratory Journal, Journal of Allergy and

Clinical Immunology, International Journal of Biometeorology, Journal of Clinical Epidemiology, Journal of Paediatrics and Child Health, Medical Care (American Public Health Assoc), Medical Journal of Australia, Pediatric Pulmonology, Quality of Life Research, Respirology, Thorax.

The editors of Medical Care (American Public Health Association) acknowledged me as in the top 5% of reviewers for their journal over the period 1996 - 2001

### **Funding Bodies**

Asthma and Respiratory Foundation of NZ, Asthma Foundation of NSW, Asthma Foundation of Queensland, Asthma Foundation of Victoria, Asthma Foundation of WA, Children's Hospital Small Grants Scheme, Cystic Fibrosis Fnd of Australia, Health Research Council of NZ, Healthway (WA), National Health & Medical Research Council, Royal Children's Hospital Research Institute, Sir Charles Gairdner Hospital Research Fund, Victorian Health Promotion Fnd; Wellcome Foundation; Thoracic Society of Australia and New Zealand

### **Conference Abstracts**

I have reviewed conference abstracts for the World Asthma Meeting (1998), the World Lung Congress (2000), the American Thoracic Society (2002 and 2003) and the Thoracic Society of Australia and New Zealand (1998-2002).

### **Wider community**

I have performed assessments of the **health impact of predicted air quality changes for Environmental Impact Statements** for the Proposed Second Sydney Airport, the Cross-City Tunnel, and the Lane Cove tunnel. I have participated in the assessment of the health impacts of the M5 East Tunnel (after construction).

The **International Respiratory Epidemiology courses**, in which I have participated (see above), are intended to assist clinicians and public health doctors in our region to implement scientifically rigorous research in their own fields of practice.

I have given several **symposia** to general and professional audiences on respiratory issues, particularly in relation to air pollution.

I am regular expert commentator in print and electronic media on matters relating to asthma, air quality and respiratory health.

### **Previous, Current and Proposed Research**

The major theme of my research career has been application of rigorous but imaginative epidemiological research methods and biostatistical analytical methods to public health, clinical and basic science problems in respiratory medicine. My particular skills are in epidemiological methods but my training and service roles as a respiratory physician, a member of advisory boards, and head of a department of respiratory medicine and tuberculosis service, together with collaborations with basic scientists, have placed me in a strong position to identify and address a broad range of important questions in this field. The breadth of my research outputs, which focus on asthma and tuberculosis, but have extended into sleep medicine, COPD and cystic fibrosis, is evidence of the value my colleagues place in my role as a research collaborator. My involvement as an investigator in the CRC for Asthma and Airways, the CCRE for Respiratory and Sleep Medicine and the proposed Australian Sleep Health Clinical Trials Network is further evidence of this role.

### **Highlights of My Research Career**

#### **Development of the Asthma Quality of Life Questionnaire**

In the late 1980s the concept of holistic outcome measures for clinical trials in chronic diseases, such as asthma, was in its infancy. During the course of my PhD I combined traditional psychometric methods of questionnaire design with the innovative approach of Gordon Guyatt and others to develop and validate the Asthma Quality of Life Questionnaire. This questionnaire has been used in clinical trials throughout the world and the initial papers have been cited 136 and 62 times, respectively. The

questionnaire has been translated into several languages and I continue to receive several requests each year to use this questionnaire.

### **Causes and Prevention of Asthma**

There is evidence that environmental factors contribute to the aetiology of asthma and that it is potentially preventable. Most of my research career has focused on identifying environmental factors that influence the onset, persistence and severity of asthma. This started during my PhD when I undertook a randomised controlled trial of a house dust mite avoidance intervention for the treatment of established asthma. Although the trial showed no clinically important benefit, this was an important finding for clinicians and researchers.

Since that trial I have taken a broader view of the role of the environment in aetiology of asthma. A series of cross-sectional, case-control and cohort studies in Sydney and in rural towns in New South Wales have examined the influence of *Alternaria* mould, dietary fatty acids, thunderstorms, BCG vaccination, the farming environment, exposure to cats, and indoor gas appliances in the aetiology of asthma. Three of my PhD students (Michelle Haby, Sara Downs, and Brett Toelle) and two other PhD students (Wei Xuan and Teresa Mitakakis) have participated in this work along with one post-doctoral fellow (Gea De Meer).

The investigation of a thunderstorm-related epidemic of exacerbations of asthma was particularly illuminating. We demonstrated that the coincidence of a thunderstorm outflow and high levels of airborne rye grass pollen places rye grass allergic individuals at great risk of a severe episode of asthma, even if they have not experienced asthma previously and especially if they are not protected by taking inhaled corticosteroids. We demonstrated that this phenomenon occurs commonly in late spring and summer in rural New South Wales. This finding led to an important health promotion campaign in the affected area and, more fundamentally, established the importance of high dose allergen exposure in initiating asthma in sensitised individuals. A Public Health Office trainee (Seham Girgis) participated in this research.

My major undertaking this field has been the Childhood Asthma Prevention Study, which commenced in 1997 and has been funded by four successive NHMRC project grants. This is a randomised controlled trial of two interventions, house dust mite avoidance and dietary fatty acid modification, both initiated at birth and continued for the first five years of life, in 600 new-born children at high risk of asthma. Although preliminary and encouraging results from this trial have been reported, the five year assessments will not be reported until later this year. In addition to clarifying the role of the house dust mite exposure and dietary fatty acids in the aetiology of asthma, the study provides important opportunities to study, in detail, the ontogeny of respiratory and allergic phenomena and the effect of other observed environmental and genetic factors on these phenomena. For example, collaborative research on lymphocyte cytokine responses to allergen stimulation *in vitro*, dietary antioxidants and breast feeding, ambient air pollution, and genetic polymorphisms is being undertaken in the CAPS cohort. A post-doctoral fellow worked on this project.

### **Epidemiology of Asthma Management**

During my post-doctoral fellowship in London I designed and implemented the evaluation of a community-based intervention for the management of asthma of in Greenwich. This large community based survey formed the basis for subsequent studies in Australia. On arrival at Liverpool Hospital I found poor asthma management was a feature of people attending the Emergency Department for exacerbations of asthma, a finding that was amplified when I used data from the NSW Health Survey to show very low levels of use of effective asthma management techniques in a community-based sample of people with asthma.

### **Monitoring Asthma**

My colleague Dr Jennifer Peat clearly demonstrated a large rise in the prevalence of asthma among children during the 1980s and early 1990s. We have now followed this up with a number of other studies which show that this trend has plateaued in recent years. One large cohort study has been used to examine childhood predictors of the outcome of asthma in adult life.

Since 2002, a major component of my research has been identifying and monitoring nation-wide indicators for asthma with the Australian Centre for Asthma Monitoring.

### **Tuberculosis**

Approximately 80% of tuberculosis in Australia occurs among persons born overseas. I have used

linkage analysis to examine the incidence of tuberculosis in various cohorts of refugees and migrants. Within these cohorts I have conducted case control studies to identify risk factors for reactivation of pulmonary tuberculosis. My recent PhD student (Linh Nguyen) participated in this research.

### **Future Directions**

At this mid-stage of my career I see the need to extend beyond my existing role as an individual and collaborative researcher to one who finds and develops new senior respiratory researchers with skills in epidemiological research methods and the capacity to link into the clinical, public health and basic science domains. The specific nature of the research is described in Section 12 (page 42, “Proposed Research”). The vehicles for this training of post-doctoral researchers will be the CCRE for Respiratory and Sleep Medicine and the CRC for Asthma and Airways. I also expect the Australian Centre for Asthma Monitoring, which I direct, will continue to be funded. Now that it is well established, it provides an excellent environment for training public health researchers. This year I intend to apply, with colleagues, for a Capacity Building Grant in Population Health Research, focusing on public health aspects of respiratory diseases. Finally, it is my intention to increase the extent of my international collaborations over the next five years, with a view to attracting high quality post-doctoral fellows to join our research group.

### **Collaborations**

#### **Major External Collaborations**

Professor Peter Burney, Kings College London

During my post-doctoral fellowship (1992 to 1994), I undertook three major projects with Professor Burney:

- An evaluation of a community-based asthma management program
- An case control study examining the effect of selenium on the risk of asthma
- An analysis of UK statistics for respiratory disease during the 20<sup>th</sup> century

During 2004, Professor Burney spent one week as a visitor with my group at the Woolcock Institute and was a keynote speaker at our annual Think Tank.

Professor Stewart Dunn, Professor of Psychological Medicine, Royal North Shore Hospital

Professor Dunn was a collaborator in the development of the Asthma Quality of Life Questionnaire. Subsequently, we jointly supervised a PhD student (Brett Toelle).

Assoc. Professor Jennifer Peat and Professor Craig Mellis, Clinical Epidemiology Unit, Children’s Hospital Westmead and Professor Stephen Leeder, formerly Dean, Faculty of Medicine, University of Sydney.

Dr Peat left the Epidemiology group at the Woolcock (then known as the Institute of Respiratory Medicine) in 1997 and I have continued to collaborate with her and with Professors Mellis and Leeder in conducting the Childhood Asthma Prevention Study since that time. My collaborations with Dr Peat have extended to other environmental epidemiological studies in asthma.

Professor Warwick Britton, Head of the Discipline of Medicine, Central Clinical School, University of Sydney.

In recent years I have had a particularly fruitful collaboration with Professor Britton, who has an international reputation in the field of mycobacterial immunology and whose expertise extends to many aspects of cell mediated immunity. Our collaborations have encompassed studying in vitro T cell cytokine responses to allergen stimulation to studies on BCG vaccination and the genetics of susceptibility to tuberculosis. In addition, I have held and/or currently hold two NHMRC project grants and three non-NHMRC project grants with Professor Britton.

Dr George Car, School of Biological Sciences, Charles Sturt University, Dr John Colquhoun, Australian Bureau of Meteorology and Mr Tony Kolbe, Director of Public Health, Greater Murray

Area Health Service.

The main subject of my collaboration with Drs Car and Colquhoun and Mr Kolbe was the investigation of the thunderstorm-related epidemics of asthma. The findings of this research had important implications for public health and for basic understanding of the mechanisms of asthma. Dr Car also collaborated on studies of *Alternaria* in rural NSW.

Professor Lyn Gilbert, Professor of Microbiology, Westmead Hospital

I co-supervised a PhD student (Linh Nguyen) with Professor Gilbert and we hold one non-NHMRC project grant. One invited review has been published

### **Minor External Collaborations**

Dr Miguel Perpina and Professor Amparo Belloch, University of Valencia, Spain

I collaborated with Dr Perpina Prof. Belloch in validating the Spanish translation of the Asthma Quality of Life Questionnaire.

Professor Mark Harris, Professor of General Practice, University of New South Wales.

I collaborated with Professor Harris in conducting a randomised controlled trial of a nursing intervention for patients with COPD.

Professor Peter Gibson, John Hunter Hospital, Newcastle

I am a co-investigator on the CCRE for Respiratory and Sleep Medicine and the CRC for Asthma with Professor Gibson.

### **Internal Collaborations**

Dr Euan Tovey, Head of the Allergen Group, Woolcock Institute of Medical Research

I have collaborated with Dr Tovey over the last 15 years, predominantly in examining the effect of house dust mite exposure on asthma and allergic disease.

Dr Cheryl Salome and Dr Helen Reddel, Clinical Mechanisms Group, Woolcock Institute of Medical Research

I have collaborated with Dr Salome and Dr Reddel in studies examining markers of asthma severity and in clinical studies

Associate Professor Peter Bye, Department of Respiratory Medicine, Royal Prince Alfred Hospital.

I have collaborated with Professor Bye in a number of recent studies on cystic fibrosis.

Professor Ron Grunstein, Department of Respiratory Medicine, Royal Prince Alfred Hospital

I have collaborated with Professor Grunstein in studies on sleep medicine. We are co-chief investigators in the CCRE for Respiratory and Sleep Medicine and in the Australian Sleep Health Clinical Trials Network. I have co-supervised two PhD students with him.

## **Research grant support**

### ***Scholarships and Fellowships***

- ◆ NSW Department of Health Postgraduate Medical Research Scholarship, 1989.
- ◆ NH&MRC Postgraduate Medical Research Scholarship, 1990-2.
- ◆ Norman Rose Memorial Travelling Scholarship, Sydney Hospitalers, 1992
- ◆ Lillian Roxon Memorial Travel Grant, Asthma Foundation of Victoria, 1992
- ◆ Cottrell Fellowship, Royal Australasian College of Physicians, 1992-3.
- ◆ Travelling Fellowship, Asthma Foundation of NSW, 1992-4
- ◆ Rolf Edgar Lake Research Fellow, University of Sydney, 1997-2000

- ◆ NHMRC Practitioner Fellowship 2001-2010.
- ◆ European Respiratory Society Visiting Professorship

***Project grants***

<u>Title</u>	<u>Investigators</u>	<u>Source</u>	<u>Years</u>	<u>Funds (\$)</u>
1. House dust mite allergen and asthma	G Marks A Woolcock	Asthma Foundation of NSW	1990	
2. Exposure chamber studies of nitrogen dioxide in asthmatic subjects	A Woolcock C Mellis G Marks C Salome	National Health and Medical Research Council (NHMRC)	1992	\$94,980
3. Evaluation of a community-based intervention to improve the management of asthma.	P Burney J Webb G Marks	Medical Research Council (UK)	1993-95	UKP 209,556
4. Perception of respiratory discomfort during induced bronchoconstriction in patients with asthma	G Marks P Barnes D Yates	National Asthma Campaign (UK)	1993-94	UKP 23,355
5. Development of an information system and outcome measures for an asthma management programme	G Marks A Stuckey A Bauman S Ieraci	NSW Health (Health Outcomes Grant)	1995-96	\$53,530
6. Five Burkard Spore traps (equipment)	JK Peat PA McGee ER Tovey GB Marks	NHMRC Equipment grant (Reg Key 961399)	1996	\$29,916
7. The impact of SE Asian migration on tuberculosis control in low prevalence areas.	G Marks G Stewart E Sullivan S Simpson	Community Health and Anti-tuberculosis Association (CHATA)	1996	\$33,000
8. Relation between Alternaria exposure and the severity of asthma	J Peat P McGee G Marks S Downs	NHMRC (Regkey 970754)	1997-1999	\$78,447 \$80,496 \$82,544
9. Is the perception of bronchoconstriction enhanced by asthmatic inflammation and reduced by smoking	A Woolcock C Salome G Marks	NHMRC (Regkey 970723)	1997-1999	\$42,278 \$44,257 \$46,238
10. Prevention of asthma in high risk infants	J Peat G Marks C Mellis S Leeder	NHMRC / PHRDC (Regkey 974097)	1997-1998	\$172,865 \$220,339

11. Prevention of asthma in high risk infants	G Marks J Peat C Mellis S Leeder	NSW Health Department	1997-1999	\$175,339 \$141,315
12. Domestic control of house-dust mite allergen levels in children's beds	E Tovey J Peat G. Marks	Asthma Foundation of NSW (G3/97)	1997	\$37,000
13. Effect of smoking on sensory nerves and the perception of breathlessness.	C Salome R Bittoun G. Marks	Community Health and Anti-Tuberculosis Assoc. (CHATA)	1997	\$33,000
14. Tuberculosis risk in screened migrants and refugees	G Marks G. Stewart E Sullivan S Simpson	Community Health and Anti-Tuberculosis Assoc. (CHATA)	1997	\$33,000
15. Role of outdoor aeroallergen exposure in hospitalisations for asthma	G Marks E Tovey NG Car S Downs	Asthma Foundation of NSW	1998	\$50,000
16. Tuberculosis risk in screened migrants and refugees	G Marks G. Stewart E Sullivan S Simpson	Community Health and Anti-Tuberculosis Assoc. (CHATA)	1998	\$33,000
17. Examination of the clinical utility of exhaled nitric oxide in the management of asthma following an acute exacerbation	G. Marks D Yates	Health Research Foundation, Sydney South West	1998 /99	\$20,436
18. Does neonatal BCG vaccination reduce the subsequent incidence of allergic sensitisation?	GB Marks WJ Britton AJ Woolcock	NHMRC (Reg Key 991017)	1999-2001	\$95,148 \$99,303 \$103,457
19. Does neonatal BCG vaccination reduce the subsequent incidence of allergic sensitisation?	GB Marks	CHATA	1999	\$5,000
20. Prevention of asthma in high risk infants	JK Peat GB Marks CM Mellis SR Leeder	NHMRC (Reg Key 991101)	1999-2001	\$247,870 \$239,403 \$240,138
21. Influence of ante-natal allergen exposure on T cell responses to aeroallergen at birth	G Marks W Britton A Bean	Asthma Foundation of NSW	1999	\$23,476
22. Childhood Asthma	G. Marks JK Peat	CRC for Asthma	1999 –	\$1,086,000

Prevention Study	CM Mellis SR Leeder		2005	
23. Clinical and molecular epidemiology of tuberculosis	GB Marks GL Gilbert	SWS Research Foundation	2000	\$20,000
24. Molecular genetics study of asthma and atopy using the CAPS cohort	GJ Stewart JK Peat CM Mellis GB Marks GH Bennetts DA Fulcher	Asthma Fnd of NSW	2001	\$50,000
25. Molecular genetics study of asthma and atopy using the CAPS cohort	GJ Stewart JK Peat CM Mellis GB Marks B Bennetts DA Fulcher SR Leeder	Financial Markets Foundation for Children	2001-2002	\$140,000
26. Childhood asthma prevention study	JK Peat GB Marks SR Leeder CM Mellis	NHMRC (211081) K2701 N1406	2002-2004	\$150,000 \$150,000 \$150,000
27. Improved targeting of intervention for prevention of asthma: Belmont cohort	GB Marks BG Toelle W Xuan	University of Sydney (Sesqui R&D scheme)	2002	\$40,000
28. Improved targeting of interventions for the prevention of asthma: Belmont cross-sectional study	GB Marks BG Toelle W Xuan	GEMRF	2002	\$50,000
29. The role of endotoxin exposure in the development of asthma in infants	ER Tovey GB Marks JK Peat	Ernest Heine Foundation	2003	\$53,000
30. Evaluation of genetic and environmental risk factors for progression of active tuberculosis in the Liverpool cohort	GB Marks WJ Britton	Health Research Foundation, Sydney South West	2003	\$25,000
31. Genetic and Environmental risk factors for progressive to active tuberculosis in the Liverpool cohort	WJ Britton GB Marks B Saunders	CHATA Project Grant K9424 R6285	2004	\$44,701
32. Environmental influences on allergic airways disease from birth to 8yrs: long-term outcomes of a randomised trial (CAPS)	GB Marks AJ Kemp ER Tovey WJ Britton G Jones SR Leeder	NHMRC #352409 Account code: K9432 N1770	2005 - 2007	\$159,250 \$181,500 \$181,500

33. Exploration of exposures associated with bedding that serve as risks for childhood allergy and asthma	E Tovey A Kemp G Marks	NHMRC #352427	2005 - 2006	\$149,500 \$109,625
34. Centre for Clinical Research Excellence in Respiratory and Sleep Medicine	R Grunstein G Marks P Gibson and others	NHMRC #264598	2005- 2009	\$400,000 per annum
35. Quantifying the effects of criteria air pollutants on child health – setting Australian air quality standards	GM Williams RW Simpson GB Marks B Jalaludin	ARC Linkage Grant LP0562551 and National Environment Protection Council	2005 - 2008	\$117,962 \$240,462 \$134,500 \$12,000 + \$250,000 (NEPC)
36. Australian Sleep Health Clinical Trials Network	R Grunstein D. McEvoy L. Palmer G. Marks R. Pierce N. Rogers	Enabling Grant Clinical Trials Resources  NHMRC  # 343020	2005 2006 2007 2008 2009	\$648,000 \$604,000 \$590,000 \$613,000 \$635,000
37. Lane Cove Tunnel Health Impact Assessment	G. Marks M. Staff V. Sheppeard C. Cowie	CRC for Asthma and Airways	2005- 2010	\$224,354 \$247,697 \$249,228 \$454,676 \$72,000
38. A cluster randomised controlled trial of specialised nurse and GP partnership for care of COPD	N. Zwar E. Comino G. Marks S. Middleton	NHMRC General Practice Clinical Research Program Grant  # 400915	2006 2007 2008	\$176,475 \$189,775 \$76,000
39. Practitioner Fellowship (PF2)	G. Marks	NHMRC Practitioner Fellowship # 402827	2006 – 2010	\$68,000 pa
40. Development of metrics for individual exposure assessment to traffic related air pollution	G. Marks C Cowie	Department of Environment & Heritage. Clean Air Research Program	2006 - 2008	\$159,000
41. Burden of obstructive lung disease in Australia	G. Marks M. Abramson A. James G. Maguire B. Toelle R. Wood-Baker	NHMRC Project Grant # 457385  Account code: K9432 N1961	2007 - 2009	\$737788
42. Clinical impact of	S. Bell	NHMRC	2007 -	\$206,000

clonal <i>Pseudomonas aeruginosa</i> in cystic fibrosis	P. Bye B. Rose C. Harbour G. Marks P. Robinson	Project Grant # 455919	2009	\$169,000 \$149,000
43. Metabolic syndrome, diet and obstructive sleep apnoea at age 10 years: predictive models from a birth cohort	K Webb G Marks T Gill L Baur S Leeder I Rutishauser	University of Sydney Bridging Grant	2007	\$50,000
44. Diet, asthma and obesity; predictive models from a birth cohort	K Webb G Marks T Gill I Rutishauser	Asthma Foundation of NSW	2007	\$19,000
45. The diagnosis of obstructive sleep apnoea in primary care	R Grunstein K Wong P Cistulli G Marks N Zwar	NHMRC Project grant #512497	2008 - 2010	\$149,750 \$139,750 \$139,750
46. Transitions in respiratory and metabolic outcomes during puberty in the CAPS birth cohort	G Marks	University of Sydney Strategic Research Grant	2008	\$50,000
47. Does endotoxin explain the apparent protection against asthma associated with high HDM allergen exposure during the first five years of life	G Marks E Tovey B Toelle C Almqvist	Asthma Foundation of NSW	2008	\$50,000
48. Factorial Trial of Hypertonic Saline and Azithromycin to Treat Bronchiectasis	P Bye S Bell J McCormack M Elkins G Marks B Rose	NHMRC Project grant #571315	2009 – 2011	\$305,500 \$185,500 \$165,500 Requested
49. Sex-related changes in asthma during the transition through puberty in the CAPS birth cohort	G Marks B Toelle S Leeder C Cowell E Tovey C Almqvist	NHMRC Project #570919	2009 - 2013	\$257,250 \$242250 \$272,250 \$232,250 \$270,500 Requested
50. A RCT of case finding by practice nurses of COPD, and early intervention by a GP-practice nurse team.	N Zwar G Marks S Middleton P Van Schayk A Crockett S Dennis	NHMRC Project #568618	2009 - 2011	\$414,125 \$229,125 \$141,750 Requested

## Publication list

### Refereed Journal Articles (Original Research)

1. Breit SN, Cairns D, Szentirmay A, Callaghan T, Murray D, Wacher T, Gibson PG, Marks GB, Bryant DH, Yeates M, Fernandez V, Penny R. The presence of Sjogren's syndrome is a major determinant of the pattern of interstitial lung disease in scleroderma and other connective tissue diseases. *J Rheumatol* 1989; 16:1043-49.
2. Marks GB, Salome CM, Woolcock AJ. Asthma and allergy associated with occupational exposure to ispaghula and senna products in a pharmaceutical workforce. *Am Rev Respir Dis* 1991; 144:1065-69.
3. Tovey ER, Marks GB, Matthews M, Green WF, Woolcock AJ. Changes in mite allergen Der p I in house dust following spraying with a tannic acid/acaricide solution. *Clin Exp Allergy* 1992; 22:67-74.
4. Green WF, Marks GB, Tovey ER, Toelle BG, Woolcock AJ. House dust mites and mite allergen in public places. *J Allergy Clin Immunol* 1992; 89:1196-97.
5. Marks GB, Dunn SM, Woolcock AJ. A scale for the measurement of quality of life in adults with asthma. *J Clin Epidemiol* 1992; 45:461-74.
6. Marks GB, Dunn SM, Woolcock AJ. An evaluation of an asthma quality of life questionnaire as measure of change in adults with asthma. *J Clin Epidemiol* 1993; 46:1103-11.
7. Marks GB, Mellis CM, Peat JK, Woolcock AJ, Leeder SR. A profile of asthma and its management in a New South Wales provincial centre. *Med J Aust* 1994; 160:260-68.
8. Marks GB, Tovey ER, Green W, Melanie S, Salome CM, Woolcock AJ. House dust mite allergen avoidance: a randomised controlled trial of surface chemical treatment and encasement of bedding. *Clin Exp Allergy* 1994; 24:1078-83.
9. Marks GB, Tovey ER, Green WF, Shearer M, Salome CM, Woolcock AJ. The effect of changes in house dust mite allergen exposure on the severity of asthma. *Clin Exp Allergy* 1995; 25:114-18.
10. Marks GB, Tovey ER, Toelle BG, Wachinger S, Peat JK, Woolcock AJ. Mite allergen (Der p I) concentration in houses and its relation to the presence and severity of asthma in a population of Sydney schoolchildren. *J Allergy Clin Immunol* 1995; 96:441-448.
11. Marks GB, Tovey ER, Peat JK, Salome CM, Woolcock AJ. Variability and repeatability of house dust mite allergen measurement: implications for study design and interpretation. *Clin Exp Allergy* 1995; 25:1190-1197.
12. Salome CM, Brown NJ, Marks GB, Woolcock AJ, Johnson GM, Nancarrow PC, Quigley S, Tiong J. Effect of nitrogen dioxide and other combustion products on asthmatic subjects in a home-like environment. *Eur Respir J* 1996; 9:910-18.
13. Marks GB, Yates DH, Sist M, Ceyhan B, De Campos M, Scott DM, Barnes PJ. Respiratory sensation during bronchial challenge testing with methacholine, sodium metabisulphite, and adenosine monophosphate. *Thorax* 1996; 51:793-98.
14. Marks GB, Burney PGJ, Premaratne UN, Simpson J, Webb J. Asthma in Greenwich: impact of the disease and current management practices. *Eur Resp J* 1997; 10:1224-1229.
15. Premaratne UN, Marks GB, Austin EJ, Burney PGJ. A reliable method to retrieve Accident and Emergency data stored on a free text basis. *Respir Med* 1997; 91:61-66.
16. Perpina M, Belloch A, Marks GB, Martinez-Moragon E, Pascual LM, Compte L. Assessment of the reliability, validity and responsiveness of a Spanish asthma quality of life questionnaire. *J Asthma* 1998; 35:513-21.
17. Reddel HK, Ware SI, Salome CM, Marks GB, Jenkins CR, Woolcock AJ. Standardisation of ambulatory PEF monitoring - the importance of recent  $\beta$ 2-agonist inhalation. *Eur Respir J* 1998; 12: 309-314.

18. Bai J, Peat JK, Berry G, Marks GB, Woolcock AJ. Questionnaire items which predict asthma and other respiratory conditions in adults. *Chest* 1998; 114:1343-48.
19. Marks GB, Kjellerby J, Luczynska CM, Burney PGJ. Serum eosinophil cationic protein: distribution and reproducibility in a randomly selected sample of men living in rural Norfolk, UK. *Clin Exp Allergy* 1998; 28:1345-50.
20. Reddel HK, Ware SI, Marks GB, Jenkins CR, Woolcock AJ. Do asthma exacerbations represent poor asthma control? *Lancet* 1998; 353:364-69.
21. Salome CM, Roberts AM, Brown NJ, Dermand J, Marks GB, Woolcock AJ. Exhaled nitric oxide measurements in a population sample of young adults. *Am J Respir Crit Care Med* 1999; 159:911-16.
22. Premaratne UN, Sterne JAC, Marks GB, Webb JR, Azima H, Burney PGJ. Cluster randomised trial of an intervention to improve the management of asthma: Greenwich Asthma Study. *Br Med J* 1999; 318:1251-1255.
23. Bai J, Marks GB, Stewart GJ, Simpson SE, Sullivan EA. Specificity for notification of tuberculosis among screened refugees in NSW. *Aust NZ J Public Health* 1999; 23:410-13.
24. Razmovski V, O'Meara TJ, Hjelmroos M, Marks GB, Tovey ER. Adhesive tapes as capturing surfaces in Burkard sampling. *Grana* 1999; 37 305-10.
25. Marks GB, Heslop W, Yates DH. Pre-hospital management of exacerbations of asthma: relation to patient and disease characteristics. *Respirology* 2000; 5:45-50.
26. Xuan W, Peat JK, Toelle BG, Marks GB, Berry G, Woolcock AJ. Lung function growth and its relation to airway hyperresponsiveness and recent wheeze: results from a longitudinal population study. *Am J Respir Crit Care Med* 2000; 161:1820-24.
27. Salome CM, Marks GB, Savides P, Xuan W, Woolcock AJ. The effect of insecticide aerosols on lung function, airway responsiveness and symptoms in asthmatic subjects. *Eur Respir J* 2000; 16: 38-43.
28. Vanlaar C, Peat JK, Marks GB, Rimmer JR, Tovey ER. Domestic control of house dust mite allergen levels in children's beds. *J Allergy Clin Immunol* 2000; 105:1130-33.
29. Grgis ST, Marks GB, Downs SH, Kolbe A, Car NG, Paton R. Thunderstorm-associated asthma in an inland town in south eastern Australia. Who is at risk? *Eur Resp J* 2000; 16: 3-8.
30. Reddel HK, Jenkins CR, Marks GB, Ware SI, Xuan W, Salome CM, Badcock C-A, Woolcock AJ. Optimal asthma control, starting with high doses of inhaled budesonide. *Eur Respir J* 2000; 16:226-35.
31. Mitakakis TZ, Tovey ER, Xuan W, Marks GB. Personal exposure to allergenic pollens and mould spores in inland New South Wales, Australia. *Clin Exp Allergy* 2000; 30:1733-39.
32. Haby MM, Marks GB, Peat JK, Leeder SR. Day care attendance before the age of two protects against atopy in preschool age children. *Pediatr Pulmonol* 2000; 30:377-84.
33. Marks GB, Bai J, Simpson SE, Sullivan EA, Stewart GJ. Incidence of tuberculosis among a cohort of tuberculin positive refugees in Australia. Re-appraising the estimates of risk. *Am J Respir Crit Care Med* 2000; 1851-54.
34. Marks GB, Jalaludin BB, Williamson M, Atkin NL, Bauman A. Use of "preventer" medications and written asthma management plans among adults with asthma in New South Wales. *Med J Aust* 2000; 173:407-410.
35. Tovey ER, McDonald LG, Peat JK, Marks GB. Domestic mite species and Der p 1 allergen levels in nine locations in Australia. *Allergy & Clinical Immunology International* 2000; 12:226-231.
36. Downs SH, Marks GB, Sporik R, Belousova EG, Car NG, Peat JK. Continued increase in the prevalence of asthma and atopy. *Arch Dis Child* 2001; 84:20-23.
37. Leuppi JD, Salome CM, Jenkins CR, Anderson SD, Xuan W, Marks GB, Koskela H, Brannan JD, Freed R, Andersson M, Chan H-K, Woolcock AJ. Predictive markers of asthma

exacerbation during stepwise dose reduction of inhaled corticosteroids. *Am J Respir Crit Care Med* 2001; 163:406-12.

38. Downs SH, Marks GB, Mitakakis TZ, Leuppi JD, Car NG, Peat JK. Having lived on a farm and protection against allergic diseases in Australia. *Clin Exp Allergy* 2001; 31:570-75.
39. Marks GB, Colquhoun JR, Girgis ST, Hjelmroos-Koski M, A. TAB, Hansen P, Downs SH, Car NG. Thunderstorm outflows preceding epidemics of asthma during spring and summer. *Thorax* 2001; 56:468-71.
40. Kongs A, Marks GB, Verle' P, Van der Stuyft. The unreliability of the Kato-Katz technique limits its usefulness for evaluating *S. mansoni* infections. *Tropical Medicine and International Health*. 2001; 6:163-69.
41. Mihrshahi S, Peat JK, Webb K, Tovey ER, Marks GB, Mellis CM, Leeder SR, for the CAPS team. The Childhood Asthma Prevention Study (CAPS): Design and research protocol of a large randomised trial of the primary prevention of asthma. *Controlled Clinical Trials* 2001; 22:333-54.
42. Downs SH, Marks GB, Belousova EG, Peat JK. Asthma and hayfever in Aboriginal and non-Aboriginal children living in non-remote rural towns. *Med J Aust* 2001; 175;10-13.
43. Vanlaar CH, Downs SH, Mitakakis TZ, Leuppi JD, Car NG, Peat JK, Marks GB. Predictors of house dust mite allergen concentrations in a dry region of Australia. *Allergy* 2001; 56: 1211-15.
44. Downs SH, Mitakakis TZ, Marks GB, Car N, Belousova EG, Leuppi JD, Xuan W, Downie SR, Tobias A, Peat JK. Clinical importance of Alternaria exposure in children. *Am J Respir Crit Care Med* 2001; 164:455-59.
45. Haby MM, Peat JK, Marks GB, Woolcock AJ, Leeder SR. Asthma in pre-school children: prevalence and risk factors. *Thorax* 2001; 56:589-95.
46. Marks GB, Bai J, Stewart GJ, Simpson SE, Sullivan EA. Effectiveness of postmigration screening in controlling tuberculosis among refugees: a historical cohort study, 1984-1998. *Am J Public Health* 2001; 91:1797-99.
47. Reddel HK, Toelle BG, Marks GB, Ware SI, Jenkins CR, Woolcock AJ. Analysis of adherence to peak flow monitoring when recording of data is electronic. *Br Med J* 2002; 324:146-47.
48. Manocha R, Marks GB, Kenchington P, Peters D, Salome CM. Sahaja yoga in the management of moderate to severe asthma: a randomised controlled trial. *Thorax* 2002; 57:110-115.
49. Salome CM, Reddel HK, Ware SI, Roberts AM, Jenkins CR, Marks GB, Woolcock AJ. Effect of budesonide on perception of induced airway narrowing in asthmatic subjects. *Am J Respir Crit Care Med* 2002; 165:15-21.
50. Xuan W, Marks GB, Toelle BG, Belousova EG, Peat JK, Berry G, Woolcock AJ. Risk factors for onset and remission of atopy, wheeze, and airway hyperresponsiveness. *Thorax* 2002; 57:104-9.
51. Marks GB, Zhou J, Yang HS, Joshi PA, Bishop GA, Britton WJ, investigators. atC. Cord blood mononuclear cell cytokine responses in relation to maternal house dust mite allergen exposure. *Clin Exp Allergy* 2002; 32:355-60.
52. Mihrshahi S, Vukasin N, Forbes S, Wainwright C, Krause W, Ampon R, Mellis CM, Marks GB, Peat JK, for the CAPS team. Are you busy for the next five years? Recruitment in the Childhood Asthma Prevention Study (CAPS). *Respirology* 2002; 7:147-51.
53. Mihrshahi S, Vanlaar C, Marks GB, Tovey ER, Peat JK, for the CAPS Team. Predictors of high house dust mite allergen concentrations in residential homes in Sydney. *Allergy* 2002; 57:137-42.
54. Hermiz O, Comino E, Marks GB, Daffurn K, Wilson S, Harris MF. Randomised controlled trial of home-based care of patients with chronic obstructive pulmonary disease. *Br Med J* 2002; 325:938-41.

55. Leuppi JD, Downs SH, Downie SR, Marks GB, Salome CM. Exhaled nitric oxide levels in atopic children: relation to specific allergen sensitisation, AHR and respiratory symptoms. *Thorax* 2002; 57:518-23.
56. Soni R, Marks GB, Robinson M, Henry D, Moriarty C, Parsons S, Taylor P, Mahenthiralingham E, Speert D, Bye PTP. The Effect of Burkholderia cepacia Infection in the Clinical Course of Patients with Cystic Fibrosis: A pilot study in a Sydney clinic. *Respirology* 2002; 7:241-45.
57. Mitakakis TZ, Tovey ER, Yates DH, Toelle BG, Johnson A, Sutherland MF, O'Hehir RE, Marks GB. Particulate masks and non-powdered gloves reduce latex allergen inhaled by health care workers. *Clin Exp Allergy* 2002; 32:1166-69.
58. Mahrshahi S, Belousova EG, Marks GB, Peat JK, for the Childhood Asthma Prevention Study Team. Pregnancy and birth outcomes in families with asthma. *J Asthma* 2003; 40:181-87.
59. Mahrshahi S, Peat JK, Marks GB, Mellis CM, Tovey ER, Webb K, Britton WJ, Leeder SR, for the CAPS Team. Eighteen month outcomes of house dust mite avoidance and dietary fatty acid modification in the Childhood Asthma Prevention Study (CAPS). *J Allergy Clin Immunol* 2003; 111(1):162-168.
60. Mahrshahi S, Marks GB, Sally C, Tovey ER, H. VC, Peat JK. Effectiveness of an intervention to reduce house dust mite allergen levels in children's beds. *Allergy* 2003; 58:784-89.
61. Tovey ER, Mitakakis TZ, Sercombe JK, Vanlaar CH, Marks GB. Four methods of sampling for dust mite allergen: differences in 'dust'. *Allergy* 2003; 58(8):790-94.
62. Marks GB, Ng K, Zhou J, Toelle BG, Xuan W, Belousova EG, Britton WJ. The effect of neonatal BCG vaccination on atopy and asthma at age 7 to 14 years: an historical cohort study in a community with a very low prevalence of TB infection and a high prevalence of atopic disease. *J Allergy Clin Immunol* 2003; 111:541-49.
63. O'Donnell AR, Toelle BG, Marks GB, Hayden CM, Laing IA, Peat JK, Goldblatt J, Le Souef PN. Age-specific relationship between CD14 C-159T and atopy in an unselected cohort assessed from age eight to twenty-five years. *Am J Respir Crit Care Med* 2003; 169:615-22.
64. Andersson M, Downs SH, Mitakakis TZ, Leuppi JD, Marks GB. Natural exposure to Alternaria spores induces allergic rhinitis symptoms in sensitized children. *Pediatr Allergy Immunol* 2003; 14(2):100-105.
65. Salome CM, Leuppi JD, Freed R, Marks GB. Perception of airway narrowing during reduction of inhaled corticosteroids and asthma exacerbation. *Thorax* 2003; 58(12):1042-47.
66. Desai AV, Marks GB, Grunstein RR. Does sleep deprivation worsen mild obstructive sleep apnea? *Sleep* 2003; 26(8):1038-41.
67. Colquhoun JR, Marks GB. Thunderstorm related asthma in south-eastern Australia - Recent findings and asthma epidemic forecasting possibilities. *Journal of Meteorology* 2003; 28:350-354.
68. Toelle BG, Xuan W, Peat JK, Marks GB. Childhood factors that predict asthma in young adulthood. *Eur Respir J* 2004; 23(1):66-70.
69. De Meer G, Toelle BG, Ng K, Tovey ER, Marks GB. Cat ownership before and after age 18 protects against atopy and asthma at age 28: Results of a long-term follow-up study. *J Allergy Clin Immunol* 2004; 113(3):433-38
70. Toelle BG, Ng K, Belousova EG, Salome CM, Peat JK, Marks GB. The prevalence of asthma and allergy in schoolchildren in Belmont, Australia: three cross sectional surveys over 20 years. *Br Med J* 2004; 328:386-87.
71. Dobbin CJ, Miller J, van der Hoek R, Baker DF, Cumming RG, Marks GB. The effects of age, death period and birth cohort on asthma mortality rates in Australia. *International Journal of Tuberculosis and Lung Disease* 2004; 8(12):1429-36.
72. Phoa LL, Toelle BG, Belousova EG, Marks GB. Effects of gas and other fume emitting heaters on the development of asthma during childhood. *Thorax* 2004; 59:741-45.

73. Reddel HK, Marks GB, Jenkins CR. When can personal best peak flow be determined for asthma action plans? *Thorax* 2004; 59(11):922-24.
74. Peat JK, Mihrshahi S, Kemp AS, Marks GB, Tovey ER, Webb K, Mellis CM, Leeder SR. Three year outcomes of dietary fatty acid modification and house dust mite reduction in the Childhood Asthma Prevention Study (CAPS). *J Allergy Clin Immunol* 2004; 114(4):807-1.
75. Starling-Schwanz R, Peake H, Salome C, Toelle B, Ng K, Marks G, Lean M, Rimmer S. Repeatability of peak nasal inspiratory flow measurements and utility for assessing the severity of rhinitis. *Allergy* 2005; 60:795-800.
76. Mihrshahi S, Peat JK, Webb K, Oddy W, Marks G, Mellis CM, For the CAPS Team. Effect of omega-3 fatty acid concentrations in plasma on symptoms of asthma at 18 months of age. *Pediatr Allergy Immunol* 2004; 15:517-22.
77. De Meer G, Marks GB, de Jongste JC, Brunekreef B. How to express the results of airway challenge with hypertonic saline in epidemiological studies: Dose Response Slope or PD15? *Eur Resp J* 2005; 25:153-58.
78. King GG, Brown NJ, Diba C, Thorpe CW, Munoz P, B. MG, et al. The effects of bodyweight on airway calibre. *European Respiratory Journal* 2005; 25:896-901
79. Ampon RD, Williamson M, Correll PK, Marks GB. The impact of asthma on self-reported health status and quality of life: a population-based study of Australians aged 18-64. *Thorax* 2005; 60:735-39
80. Desai AV, Marks GB, Jankelson D, Grunstein RR. Do sleep deprivation and time of day interact with mild obstructive sleep apnoea to worsen performance and neurobehavioural function? *Journal of Clinical Sleep Medicine* 2006; 2:63-70
81. Elkins MR, Robinson M, Rose BR, Harbour C, Moriarty C, Marks GB, Belousova EG, Xuan W, Bye PTP, for the National Hypertonic Saline in Cystic Fibrosis (NHSCF) Study Group. A controlled trial of long-term inhaled hypertonic saline in patients with cystic fibrosis. *N Engl J Med* 2006;354: 229-40.
82. Simonella L, Marks GB, Sanderson K, Andrews G. The cost effectiveness of current and optimal treatment for adult asthma. *Internal Medicine Journal* 2006; 36:244-50.
83. Johnson A, Toelle B, Yates D, Belousova E, Ng K, Corbett S, et al. Occupational Asthma in New South Wales (NSW): A Population Based Study. *Occupational Medicine* 2006; 56:258-62.
84. Marks GB, Mihrshahi S, Kemp AS, Tovey ER, Webb K, Almqvist C, et al. Prevention of asthma during the first five years of life: a randomised controlled trial. *J Allergy Clin Immunol* 2006; 118(1):53-61.
85. Miedinger D, Chhajed PN, Stoltz D, Leimenstoll B, Tamm M, Fiechter R, Marks GB, Leuppi JD. Reliability and validity of a German asthma quality of life questionnaire. *Swiss Medical Weekly* 2006; 136(5-6):89-95.
86. Ringland C, Correll PK, Kim L, Williamson M, Marks GB. Hospital readmissions for asthma: a feasibility study comparing strategies for linking hospital morbidity data. *Aust NZ J Public Health* 2006; 30:435-39
87. Correll PK, Xuan W, Williamson M, Sundararajan V, Ringland C, Marks GB. Re-attendance at hospital for asthma in two Australian states, 2000-2003. *Respirology* 2007; 12(2):220-26
88. Fernando Suran L., Saunders Bernadette M. Sluyter Ronald, Skarratt Kristen K., Goldberg Hazel, Marks Guy B., Wiley James S., Britton Warwick J. A polymorphism in the P2X7 gene increases susceptibility to extrapulmonary tuberculosis. *Am J Respir Crit Care Med* 2007; 175(4):360-66
89. Marks GB, Abramson MJ, Jenkins CR, Kenny P, Mellis CM, Ruffin RE, et al. Asthma management and outcomes in Australia, A nation-wide telephone interview survey. *Respirology* 2007; 12(2):212-19.

90. Locke S, Marks G. Are the prevalence and treatment of asthma similar in elite athletes and the aged-matched non-athlete population? *Scandinavian Journal of Medicine and Science in Sports*. 2007;17(6):623-27.
91. Almqvist C, Garden F, Xuan W, Mihrshahi S, Leeder SR, Oddy W, Webb K, Marks GB for the CAPS team. Omega-3 and omega-6 fatty acid exposure from early life does not affect atopy and asthma at age five years. *Journal of Allergy and Clinical Immunology* 2007; 119(6):1438-44
92. Mihrshahi S, Ampo RD, Webb K, Almqvist C, Kemp AS, Hector D, Marks GB, for the CAPS team. The association between infant feeding practices and subsequent atopy among children with a family history of asthma. *Clin Exp Allergy* 2007; 37(5):671-79
93. Marshall NS, Almqvist C, Grunstein RR, Marks GB. Predictors of snoring in children with rhinitis at age 5. *Pediatric Pulmonology*. 2007; 42:584-91.
94. Tovey ER, Kemp AS, Almqvist C, Sharland A, Marks GB. Do immune responses to inhaled skin flakes modulate the expression of allergic disease? *Clinical and Experimental Allergy*. 2007;37:1199-203.
95. Weber-Chrysochoou C, Crisafulli D, Almqvist C, Li Q, Kemp AS, Britton WJ, et al. Interleukin-5 T cell responses to house dust mite are associated with the development of allergen-specific IgE responses and asthma in the first 5 years of life. *Journal of Allergy and Clinical Immunology*. 2007;120(2):286-92.
96. Almqvist C, Li Q, Britton WJ, Kemp AS, Xuan W, Tovey ER, et al. Early predictors for developing allergic disease and asthma - examining separate steps in the "allergic march". *Clinical and Experimental Allergy*. 2007;37:1296-302.
97. Linh NN, Marks GB, Crawford ABH. Radiographic predictors of subsequent re-activation of tuberculosis. *International Journal of Tuberculosis and Lung Disease*. 2007;11(10):1136-42.
98. Buist AS, McBurnie MA, Vollmer WM, Gillespie S, Burney P, Mannino DM, et al. International variation in the prevalence of COPD (the BOLD Study): a population-based prevalence study. *Lancet*. 2007;370:741-50.
99. Aaron SD, Fergusson D, Marks G, Suissa S, Vandemheen, L. K, et al. Counting, Analyzing and Reporting Exacerbations of COPD in Randomized, Controlled Trials. *Thorax*. 2008;63:122-28.
100. Poulos LM, Water A-M, Correll PK, Loblay RH, Marks GB. Trends in hospitalizations for anaphylaxis, angioedema and urticaria in Australia, 1993-94 to 2004-05. *Journal of Allergy and Clinical Immunology* 2007;120(4):878-84.
101. Crisafulli D, Almqvist C, Marks GB, Tovey ER. Seasonal trends in House Dust Mite allergen in children's beds over a seven year period. *Allergy*. 2007;62:1392-400.
102. Dobler CC, Marks GB, Simpson SE, Crawford ABH. Recurrence of tuberculosis at a Sydney chest clinic from 1994 to 2006: reactivation or reinfection? *Med J Aust*. 2008;188(3):153-55.
103. Marks G, Chan-Yeung M. COPD: a new global challenge to lung health (editorial). *International Journal of Tuberculosis and Lung Disease*. 2008;12(1):2.
104. Tovey ER, Almqvist C, Li Q, Crisafulli D, Marks GB. Nonlinear relationship of mite allergen exposure to mite sensitization and asthma in a birth cohort. *J Allergy Clin Immunol*. 2008;122(1):114-8.
105. Zwar N, Hermiz O, Hasan I, Comino E, Middleton S, Vagholkar S, et al. A cluster randomised controlled trial of nurse and GP partnership for care of Chronic Obstructive Pulmonary Disease *BMC Pulmonary Medicine*. 2008;8(8).

**Invited Reviews**

106. Marks GB. A critical appraisal of the evidence for adverse respiratory health effects due to exposure to environmental ozone and particulate pollution: relevance to air quality guideline. *Aust NZ J Med* 1994; 24:202-13
107. Abramson MJ, Marks GB, Pattemore PK. Are non-allergic environmental factors important in asthma?. *Med J Aust* 1995; 163:542-45
108. Marks GB. House dust mite exposure as a risk factor for asthma: benefits of avoidance. *Allergy* 1998; 53 (suppl 48): 108-14
109. Tovey ER, Marks GB. Methods and effectiveness of environmental control. *J Allergy Clin Immunol* 1999; 103:179-91
110. Schachter LM and Marks GB. Investigation of the patient with wheeze. *Mod Med* 1999; 42:99-104 (republished in *Modern Medicine Middle East* 2000; 17: 46-55 and *Modern Medicine of South Africa*, April 2001: 26-32)
111. Sterk PJ, Buist AS, Woolcock AJ, Marks GB, Platts-Mills TAE, von Mutius E, Bousquet J, Frew AJ, Pauwels RA, Ait-Khaled N, Hill SL, Partridge MR. The message from the World Asthma Meeting. *Eur Respir J* 1999; 14: 1435-53
112. Jalaludin BB, Marks GB. Epidemiology of asthma in children. *Australian Family Physician* 2001; 30:109-13
113. Peat JK, Toelle BG, Marks GB, Mellis CM. Continuing the debate about measuring asthma in population studies. *Thorax* 2001;56(5):406-411.
114. Marks GB. Commentary: Geographical heterogeneity of asthma. *Int J Epidemiol* 2001; 30:179-80
115. Marks GB, Abramson MJ. House dust mite avoidance: facts and fiction. *Asthma Update* 2001; 13:10-13
116. Woolcock AJ, Bastiampillai SA, Marks GB, Keena VA. The burden of asthma in Australia. *Med J Aust* 2001; 175:141-45
117. Marks GB. Editorial: What should we tell allergic families about pets? *J Allergy Clin Immunol* 2001; 108:500-502
118. Peat JK, Keena V, Harakeh Z, Marks G. Parental smoking and respiratory tract infections in children. *Paediatric Respiratory Reviews* 2001; 2:207-13
119. Marks GB. Asthma , exercise and smog. *Asthma Matters* 2002.
120. De Meer G, Marks GB, Postma DS. Direct or indirect stimuli for bronchial challenge testing: what is the relevance for asthma epidemiology. *Clin Exp Allergy* 2004; 34(1):9-16.
121. Nguyen NL, Gilbert GL, Marks GB. Molecular Epidemiology of Tuberculosis and Recent Developments in Understanding the Epidemiology of Tuberculosis. *Respirology* 2004; 9:313-19
122. Poulos LM, Toelle BG, Marks GB. The burden of asthma in children: an Australian perspective. *Paediatric Respiratory Reviews* 2005; 6(1):20-27
123. Toelle BG, Marks GB. The ebb and flow of asthma. *Thorax* 2005; 60:87-88
124. Marks GB. Identifying asthma in population studies: from single entity to a multi-component approach. *Eur Resp J* 2005; 26:3-5.
125. Marks GB, Poulos LM. A nationwide-perspective on asthma in older Australians. *Med J Aust* 2005; 183(1):S14-S16.
126. Marks GB, Correll PK, Williamson M. Asthma in Australia 2005. *Med J Aust* 2005; 183(9):445-46.
127. Marks GB, Bush RK. It's blowing in the wind (editorial). *Journal of Allergy and Clinical Immunology* 2007; in press.

**Research Books**

128. Australian Centre for Asthma Monitoring. 2003. Asthma in Australia 2003. AIHW Cat. no. ACM1. Canberra: Australian Institute of Health and Welfare
129. Australian Centre for Asthma Monitoring. 2004. Review of proposed National Health Priority Area asthma indicators and data sources. AIHW cat no.: ACM2. Canberra: Australian Institute of Health and Welfare
130. Australian Centre for Asthma Monitoring. Measuring the impact of asthma on quality of life in the Australian population. AIHW cat no. ACM 3 ed. Canberra: Australian Institute of Health and Welfare; 2004.
131. Australian Centre for Asthma Monitoring. Enhancing asthma-related information for population monitoring. Asthma data development plan 2004. AIHW cat no. ACM 4. Canberra: Australian Institute of Health and Welfare; 2004.
132. Australian Centre for Asthma Monitoring. Health care expenditure and the burden of disease due to asthma in Australia. AIHW Cat. no. ACM5. Canberra: Australian Institute of Health and Welfare; 2005.
133. Australian Centre for Asthma Monitoring. Asthma in Australia 2005. Canberra: Australian Institute of Health and Welfare; AIHW cat no. ACM 6. Canberra: Australian Institute of Health and Welfare; 2005.
134. Australian Centre for Asthma Monitoring. Asthma and chronic obstructive pulmonary disease among older people in Australia Deaths and hospitalisations. Canberra: AIHW; 2006. Report No.: ACM 7.
135. Australian Centre for Asthma Monitoring. Survey Questions for Monitoring National Asthma Indicators Canberra: AIHW; 2007. Report No.: ACM 9.
136. Australian Centre for Asthma Monitoring. Asthma in Australia: findings from the 2004-2005 National Health Survey. Canberra: AIHW; 2007. Report No.: ACM 10.
137. Australian Centre for Asthma Monitoring. Patterns of asthma medication use in Australia. Canberra: AIHW; 2007. Report No.: ACM 11.
138. Australian Centre for Asthma Monitoring. Australian asthma indicators: Five-year review of asthma monitoring in Australia. Canberra: AIHW; 2007. Report No.: ACM 12.
139. Australian Centre for Asthma Monitoring. Statistical methods for monitoring asthma. Canberra: AIHW; 2008. Report No.: ACM13.

**Book Chapters**

140. Marks Guy, Burney Peter. Diseases of the respiratory system. In: Charlton J, Murphy M, eds. The Health of Adult Britain 1841 - 1994. Volume 2. London: The Stationery Office, 1997:93-113.
141. Marks GB. Current methods in measuring health-related quality of life in adults with asthma. in Weiss KB, Buist AS, Sullivan SD, eds Asthma's Impact on Society. New York: Marcel Dekker 2000:127-80
142. Marks GB, Peat JK, Baker D, Williamson M, Tovey ER. Prevention of asthma. in Busse W and Holgate S, eds Asthma & Rhinitis Blackwell Science 2000:1744-65
143. Marks GB. Air pollution and asthma in Walls RS and Jenkins CR, eds Understanding Asthma MacLennan and Petty Sydney 2000: 83-92
144. Marks GB, Baker DF, Williamson M. Monitoring asthma in populations. In: Gibson PG, editor. Monitoring asthma. Taylor & Francis, Boca Raton. 2005: 417-64
145. Marks GB, Toelle BG, Slader CA. Non-pharmacological and complementary interventions to manage asthma. In: Gibson PG, editor. Evidence-based Respiratory Medicine. Oxford: Blackwell BMJ Books; 2005.

**Letters and notes**

146. Marks GB and Cumming RG. Diagnosing myocardial infarction. *Aust NZ J Med* 1992; 22:387
147. Tovey E, Marks G, Shearer M, Woolcock A. Allergens and occlusive bedding covers. *Lancet* 1993; 342:126
148. Marks GB, Tovey ER, Salome CM, Woolcock AJ. Effective domestic allergen control - reply. *Clin Exp Allergy* 1995; 25:384
149. Premaratne UN, Sterne JAC, Burney PGJ, Marks GB, Webb JR. Greenwich asthma study (Author's reply). *Br Med J* 2000; 320:580.
150. Marks GB, Haby MM, Peak JK, Leeder SR. Polyunsaturated fats and asthma (Author's reply). *Thorax* 2002; 57:93-94
151. Peat JK, Toelle BG, Mellis CM, Peat JK. AHR in asthma (Author's reply). *Thorax* 2002; 57:186
152. Reddel HK, Toelle BG, Marks GB, and Jenkins CR. Adherence to peak flow monitoring. *BMJ* 2002 324: 1157 (letter)
153. Reddel HK, Marks GB, Salome CM, Jenkins CR. Inhaled corticosteroid dosage in asthma. *Thorax* 2002; 57:837-38 (letter)
154. Jalaludin BB, Marks GB, Morgan GG. Serial correlation and confounders in time-series air pollution studies. *Med J Aust* 2002; 177:397 (letter)
155. Tovey ER, O'Meara TJ, Marks GB, Bed covers and dust mites. *N Engl J Med* 2003 Oct 23;349(17):1668 (letter)
156. Marks GB, Britton WJ. Priorities for the Treatment of Latent Tuberculosis. *N Engl J Med* 2004; 351(8):832-834 (letter).
157. Jenkins CR, Marks GB, Reddel HK. Treatment of mild asthma. *N Engl J Med* 2005; 353:424-25 (letter).

**Published conference paper**

158. Marks GB, Bai J, Simpson SE, Stewart GJ, Sullivan EA. The incidence of tuberculosis in a cohort of South East Asian refugees arriving in Australia, 1984 to 1994. *Respirology* 2001; 6:71-73
159. Marks GB. Environmental factors and gene-environment interactions in the aetiology of asthma. *Clin Exp Pharmacol Physiol* 2006; 33(3):285-89.

**Refereed conference paper**

1. Tovey E, Marks G, Mathews M, Woolcock AJ. Measurement of mite allergen in Sydney houses. ASMR, Adelaide. 1989.
2. Tovey E, Marks G, Mathews M, Woolcock AJ. Natural exposure to mite allergens in Sydney. ASI Adelaide. 1989.
3. Marks G, Tovey E, Shearer M, Mathews M, Woolcock A. Fluctuations in DER P I levels in houses of patients with asthma. *Australian & New Zealand Journal of Medicine*. 1990;20:527.
4. Marks G, Tovey E, Woolcock A. Distribution of house dust mite allergen in Sydney houses: effect of treatment with Allersearch DMS. *Asthma Foundation Annual Workshop*. November, 1990.
5. Salome C, Marks G, Woolcock A. Occupational Asthma and allergy associated with the manufacture and processing of Ispaghula and Senna products. *Australian & New Zealand Journal of Medicine*. 1990;20:527.
6. Marks G, Dunn S, Chung H, Shearer M, Woolcock A. Development and testing of an asthma quality of life index. *Aust NZ J Med*. 1991;21(4):661.
7. Marks G, Tovey E, Shearer M, Mathews M, Woolcock A. Two simplified methods of

allergen avoidance were not effective in a controlled trial in subjects with asthma. *Aust NZ J Med.* 1991;21(4):660.

8. Marks G, Tovey E, Wachinger S, Toelle B, Peat J, Woolcock AJ. The presence and severity of asthma is not correlated with mite allergen exposure in a group of Sydney school children exposed to very high allergen levels. *Aust NZ J Med.* 1991;21(4):660.
9. Marks G, Woolcock AJ. The degree of airway closure during histamine challenge is an independent predictor of asthma symptom severity. Annual Scientific meeting, Thoracic Society of Australia and New Zealand; 1991; Canberra, Australia; 1991.
10. Marks GB, Salome CM, Woolcock AJ. Asthma and allergy associated with occupational exposure to ispaghula and senna products in a pharmaceutical work force. *Am Rev Respir Dis.* 1991;144:1065-9.
11. Marks G, Mellis C, Peat J, Woolcock A. The impact of asthma and the asthma management plan in adults with asthma living in a NSW provincial town. Thoracic Society of Australia and NZ, Annual Scientific Meeting. 1992.
12. Marks G, Mellis C, Peat JK, Woolcock AJ. B-agonist usage among adults with asthma in an Australian provincial town. *Am Rev Respir Dis.* 1992;145:A693.
13. Marks G, Mellis C, Peat JK, Woolcock AJ. The relation between quality of life and disease severity in a population-based sample of adults with asthma. *Am Rev Respir Dis.* 1992;145:A297.
14. Marks G, Shearer M, Dunn S, Woolcock A. The asthma quality of life questionnaire is a valid and responsive measure of change in adult patients with asthma. Thoracic Society of Australia and NZ, Annual Scientific Meeting. 1992.
15. Marks G, Woolcock A. The degree of airway closure during histamine challenge is an independant predictor of asthma symptom severity. Thoracic Society of Australia and NZ, Annual Scientific Meeting. 1992.
16. Tovey ER, Marks GB, Peat JK, Veale AJ, Woolcock AJ. The distribution of mite allergen *Der p* I in several Australian communities. Thoracic Society of Australia and NZ, Annual Scientific Meeting. 1992.
17. King GC, Salome C, Marks GB, Woolcock AJ. A study of airways closure in an adult population using delta ratio. Thoracic Society of Australia and NZ, Annual Scientific Meeting. 1993.
18. Marks G, Burney P. An age-period-cohort analysis of mortality due to lobar and pneumococcal pneumonia in the 20th Century. British Thoracic Society Summer meeting 1993.
19. Marks G, Burney PGJ. Changing risk factors for chronic obstructive lung disease over the last 150 years. British Thoracic Society Winter meeting 1993.
20. Marks G, Tovey E, Woolcock A. In subjects with asthma the concentration of Der P 1 in beds correlates with the severity of bronchial hyperresponsiveness and symptoms. *Am Rev Respir Dis.* 1993;147:A458.
21. Marks G, Yates D, Wordsell M, Barnes P. Respiratory discomfort during bronchial challenge testing: selecting the appropriate descriptive phrase. European Respiratory Society 1993.
22. Marks G, Burney PGJ. Asthma in Greenwich: Self-management of exacerbations. European Respiratory Society, 1994
23. Marks GB, Yates DH, Sist M, Ceyhan B, De Campos M, Scott DM, Barnes PJ. Respiratory sensation during bronchial challenge testing with methacholine, sodium metabisulphite and adenosine monophosphate. Thoracic Society of Australia and New Zealand, 1995
24. Marks GB, Yates DH, Sist M, Ceyhan B, De Campos M, Scott DM, Barnes PJ. Respiratory sensation during bronchial challenge testing with methacholine, sodium metabisulphite and adenosine monophosphate. American Thoracic Society, 1995
25. Simpson J, Marks GB, Burney PGJ, Webb J, Dundas R, Premaratne N. Asthma in Greenwich:

self-management of exacerbations. Society of Social Medicine (UK), 1995

26. Tovey ER, Peat J, Marks G, Mahmic A, Woolcock A. Distribution of mite allergen Der p I in Australian communities. *J Allergy Clin Immunol*. 1995;95:325.

27. Perpina M, Martinez E, Belloch A, De Diego A, Compte L, Martinez M, Marks G. Estabilidad de una medida de calidad de vida en el asma y su sensibilidad para registrar cambios clínicos. Congress of the Spanish Respiratory Society, 1996

28. Bai J, Marks GB, Simpson SE, Stewart GJ, Sullivan EA. Tuberculosis in screened refugees: a historical cohort study. 2<sup>nd</sup> National Tuberculosis Conference, Sydney, 1997

29. Downs SH, Brown NJ, Belousova EG, King GK, Marks GB, Woolcock AJ. The respiratory health of workers in the Australian insulation wools manufacturing industry. Thoracic Society of Australia and New Zealand, 1997

30. Heslop WD, Marks GB, Ieraci S. Feasibility and success rate of active referral from hospital to a post-emergency asthma clinic. Thoracic Society of Australia and New Zealand 1997

31. Lurie A, Guillemin F, Djaballah K, Marks G, Woolcock A, Dusser D. Compliance with inhalers in ambulatory care patients with asthma: Relationship with patient's and doctor's perception of asthma. *Am J Respir Crit Care Med*. 1997;155(4):A728.

32. Lurie A, Guillemin F, Djaballah K, Marks G, Woolcock A, Dusser D. Quality of life in ambulatory care patients with asthma: Validity and reliability of the French version of the University of Syndey Asthma Quality of Life Questionnaire. *Am J Respir Crit Care Med*. 1997;155(4):A721.

33. Marks GB, Bai J, Simpson SE, Stewart GJ, Sullivan EA. Role of screening in active case finding among refugees after arrival in Australia. 2<sup>nd</sup> National Tuberculosis Conference, Sydney, 1997

34. Marks GB, Burney PGJ, Diplock AT. Relation between plasma ascorbic acid levels and respiratory health in men. American Thoracic Society 1997

35. Marks GB, Heslop W. Factors influencing the management of exacerbations of asthma. Thoracic Society of Australia and New Zealand 1997

36. Marks GB, Kjellerby J, Luczynska CM, Burney PGJ. Serum eosinophil cationic protein: distribution and reproducibility in a random sample of men. American Thoracic Society 1997

37. Stewart GJ, Marks GB, Bai J, Simpson EA, Sullivan EA. Notifications for tuberculosis among refugees in NSW, 1984 to 1993: validity of the data. 2<sup>nd</sup> National Tuberculosis Conference, Sydney, 1997

38. Wang TH, Marks GB, Salome C, Woolcock AJ. Treatment with salmeterol reduces, and changes the pattern of, diurnal variation in FEV1 in patients with asthma. *Eur Respir J*. 1997;10(Suppl 25):3S.

39. Downs SH, Brown NJ, Belousova EG, King GK, Marks GB, Woolcock AJ. The respiratory health of workers in the Australian insulation wools manufacturing industry. *Aust NZ J Med*. 1998;28(2):277.

40. Downs SH, Downie SR, Belousova EG, Marks GB. Factors associated with compliance with peak flow and symptom diaries. National Asthma Research Workshop; 1998 November 12-13, 1998; Faculty of Nursing, Camperdown; 1998.

41. Downs SH, Marks GB, Car NG, Peat JK. Atopy and wheeze in children who have lived on a farm in NSW. *Respirology*. 1998;3(Suppl):A2.

42. Grgis S, Marks G, Downs S. Thunderstorm related asthma epidemic in Wagga Wagga: Who is at risk? National Asthma Research Workshop; 1998 November 12-13, 1998; Faculty of Nursing, Camperdown; 1998.

43. Haby MM, Peat JK, Marks GB, Toelle BG, Belousova EG, Woolcock AJ. Positive skin prick tests in Australian preschool children: Relation to asthma. *Eur Respir J*. 1998;12(Suppl 29):85s.

44. Haby MM, Peat JK, Marks GB, Woolcock AJ, Leeder SR. A diet high in polyunsaturated fats increases the risk of asthma in Australian preschool children. *Eur Respir J*. 1998;12(Suppl 29):6s.
45. Haby MM, Peat JK, Marks GB, Woolcock AJ, Leeder SR. Having at least three older siblings decreases the risk of asthma in Australian preschool children. *Eur Respir J*. 1998;12(Suppl 29):4s.
46. Leuppi JD, Downs SH, Downie SR, Car NG, Marks GB, Salome CM. Exhaled nitric oxide levels in atopic children - relation to airway hyperresponsiveness, wheeze and cough. National Asthma Research Workshop; 1998 November 12-13, 1998; Faculty of Nursing, Camperdown; 1998.
47. Marks GB, J Bai, SE Simpson, GJ Stewart, and EA Sullivan. Role of tuberculosis screening for active case finding among refugees after arrival in Australia American Thoracic Society, International Conference, Chicago, 1998
48. Marks GB, J Bai, SE Simpson, GJ Stewart, and EA. Sullivan. Tuberculosis in screened refugees: a historical cohort study. American Thoracic Society, International Conference, Chicago, 1998
49. Marks GB, Xuan W, Peat JK, Toelle BG, Belousova E, Woolcock AJ. Effect of smoking during adolescence on lung function growth: results from a cohort study. *Inter J Tuberc Lung Dis*. 1998;2(11):S410.
50. Marks GB. How to measure the cost of asthma management. *Inter J Tuberc Lung Dis*. 1998;2(11):S189.
51. Marks GB. Role of intervention in the reduction of asthma. *Inter J Tuberc & Lung Dis*. 1998;2(11):S175.
52. Reddel HK, Ware SI, Marks GB, Jenkins CR, Woolcock AJ. Peak flow is less variable during asthma exacerbations associated with respiratory infections than during a period of poor asthma control. *Respirology*. 1998;3(Suppl):A42.
53. Reddel HK, Ware SI, Marks GB, Jenkins CR, Woolcock AJ. PEF variability is low during asthma exacerbations compared with during poor asthma control - implications regarding B2-adrenoceptor function. *Eur Respir J*. 1998;12(Suppl 28):11s.
54. Salome CM, Marks GB, Savides P, Xuan W, Woolcock AJ. Effect of insecticide aerosols on lung function, airway responsiveness and symptoms in asthmatic subjects. *Respirology*. 1998;3(Suppl):A43.
55. Vanlaar CH, Peat JK, Marks GB, Rimmer J, Tovey ER. Effectiveness of an intervention in reducing house dust mite allergen levels in children's beds in a community setting. *Eur Respir J*. 1998;12(Suppl 29):83s.
56. Wang T-H, Marks GB, Salome C, Woolcock AJ. Salmeterol improved diurnal perception of breathlessness of asthma patients. *Respirology*. 1998;3(Suppl):A45.
57. Xuan W, Marks GB, Toelle BG, Peat JK, Berry G, Woolcock AJ. Age-specific gender differences in airway hyperresponsiveness and recent wheeze from childhood into young adulthood. *Respirology*. 1998;3(Suppl):A73.
58. Xuan W, Toelle B, Peat J, Marks G, Berry G, Woolcock A. Gender difference in airway hyperresponsiveness and recent wheeze from childhood into young adulthood in a longitudinal population study. *Am J Crit Care Med*. 1998;157(3):A646.
59. Downs SH, Downie SR, Belousova EG, Marks GB. Compliance with peak flow and symptom diaries. *Respirology* 1999; 4 suppl:A24. (Thoracic Society of Australia and New Zealand 1999)
60. Downs SH, Marks GB, Belousova EG, Car NG, Sporik R, Peat JK. Prevalence and severity of allergic disease in Wagga Wagga, Australia. *Eur Respir J* 1999; 14 (suppl 30):216s. (European Respiratory Society, Madrid, Spain)
61. Downs SH, Marks GB, Belousova EG, Peat JK. Atopy, wheeze and rhinitis in aboriginal and

non-aboriginal children in NSW. Eur Respir J 1999; 14 (suppl 30):488s. (European Respiratory Society, Madrid, Spain)

62. Girgis S, Marks G, Downs S, Car G, Kolbe T. Thunderstorm related asthma epidemic in inland New South Wales, Australia: Who is at risk? Am J Respir Crit Care Med 1999; 159 (3, part 2): A127. (American Thoracic Society, San Diego CA. USA)
63. Leuppi JD, Downs SH, Downie SR, Car NG, Marks GB, Salome CM. Exhaled nitric oxide levels in atopic children - relation to airway hyperresponsiveness, wheeze and cough. Am J Respir Crit Care Med 1999; 159 (3, part 2): A148 (American Thoracic Society, San Diego CA. USA)
64. Leuppi JD, Downs SH, Downie SR, Car NG, Marks GB, Salome CM. Exhaled nitric oxide levels in atopic children - relation to airway hyperresponsiveness, wheeze and cough. Respirology 1999; 4 suppl:A17. (Thoracic Society of Australia and New Zealand, Canberra)
65. Leuppi JD, Downs SH, Downie SR, Car NG, Marks GB, Salome CM. Exhaled nitric oxide levels in atopic children - relation to skin prick test results. Respirology 1999; 4 suppl:A17. (Thoracic Society of Australia and New Zealand, Canberra)
66. Li J and Marks GB. A meta-analysis of adverse respiratory health effects attributable to exposure to sulphur dioxide in ambient air. Respirology 1999; 4 suppl:A5 (Thoracic Society of Australia and New Zealand, Canberra)
67. Marks GB, Colquhoun JR, Girghis ST, Treloar ABA, Downs SH, Car NG. Thunderstorm outflows are a common cause of epidemics of asthma during spring and summer. National Asthma Research Workshop, Sydney, November, 1999
68. Marks GB, Yang HS, Zhou J, Britton WJ and CAPS investigators. Cytokine release by house dust mite (HDM)-stimulated cord blood mononuclear cells is not correlated with antenatal HDM allergen exposure. National Asthma Research Workshop, Sydney, November, 1999
69. Mitakakis T, Graham JAH, Marks GB, Tovey ER. Comparison of indoor and outdoor Alternaria exposure using IRM intra-nasal samplers and IOM filter samplers. J Allergy Clin Immunol. 1999;103(1, Part 2):S188.
70. O'Donnell AR, C. Hayden, I.A. Laing, B Toelle1, G. Marks, J Peat, J. Goldblatt, P.N LeSouef. Association between the CC16 polymorphism A38G and asthma in an unselected Australian population. Respirology 1999; 4 suppl:A27. (Thoracic Society of Australia and New Zealand, Canberra)
71. O'Meara T, Razmovski T, Hjelmroos-Koski M, Marks G, Tovey E. New techniques for capture and immunostaining of particles in hirst type spore traps. J Allergy Clin Immunol. 1999;103(1, Part 2):S88.
72. Reddel HK, Ware SI, Marks GB, Salome CM, Xuan W, Jenkins CR, Woolcock AJ. Effect of starting dose of inhaled budenoside on airway hyperresponsiveness in poorly-controlled asthma. Eur Respir J 1999; 14 (suppl 30):1s. (European Respiratory Society, Madrid, Spain)
73. Reddel HK, Ware SI, Marks GB, Salome CM, Xuan W, Jenkins CR, Woolcock AJ. Long-term back titration of inhaled corticosteroids - the effect of starting dose. Eur Respir J 1999; 14 (suppl 30):1s. (European Respiratory Society, Madrid, Spain)
74. Toelle B, Marks G, Salome C, Peat J, Woolcock A. Hyperresponsiveness and inflammation of the airways are independent predictors of wheeze. Am J Respir Crit Care Med 1999; 159 (3, part 2): A131 (American Thoracic Society, San Diego CA. USA)
75. Xuan W, Marks G, Toelle B, Peat J, Woolcock A. Risk factors for onset and remission of atopy and asthma. Am J Respir Crit Care Med 1999; 159 (3, part 2): A149. (American Thoracic Society, San Diego CA. USA)
76. Downs SH, Jörg D. Leuppi, Sue R. Downie, Guy B. Marks, Cheryl M. Salome. Exhaled nitric oxide is related to allergic sensitisation to house dust mite and cladosporium. Thoracic Society of Australia and New Zealand, Melbourne, April, 2000. Respirology 2000; 5 suppl: A18
77. Downs SH, Marks GB, Mitakakis TZ, McGee PA, Car NG, Tovey ER, Belousova EG, Leuppi JD, Xuan W, Downie SR, Peat JK. Clinical relevance of *Alternaria* sensitisation and

exposure in children. XVII<sup>th</sup> International Congress of Allergology and Clinical Immunology. ACI International 2000; Suppl 2: 47

78. Marks GB, Bai J, Simpson SE, Stewart GJ, Sullivan EA. The incidence of tuberculosis in a cohort of South East Asian refugees arriving in Australia, 1984 to 1994. Japan Respiratory Society, Hiroshima, Japan March 2000.
79. O'Donnell AR, Hayden CM, Laing IA, Toelle BG, Marks GB, Peat JK, Goldblatt J, LeSouef PN. Association study of CC16 and CD14 polymorphisms in an unselected population assessed at age 8 and 25. Thoracic Society of Australia and New Zealand, Melbourne, April, 2000. Respirology 2000; 5 suppl: A30
80. O'Donnell AR, Hayden CM, Laing IA, Toelle BG, Marks G, Peat JK, et al. Association study of CC16 and CD14 polymorphisms in an unselected population assessed at age 8 and 25. Am J Respir Crit Care Med. 2000;2000(161):A928.
81. Reddel H, Jenkins C, Marks G, Ware S, Xuan W, Salome C, Badcock CA, Woolcock AJ. Should inhaled corticosteroid treatment "start high" in poorly controlled asthma? Respirology. 2000;5(Suppl June):A22.
82. Reddel H, Marks G, Salome C, Jenkins C, Ware S, Woolcock A. Personal best and recent best peak flow in asthma management - implications for asthma action plans. Respirology. 2000;5(Suppl June):A22.
83. Reddel H, Marks G, Salome C, Jenkins C, Ware S, Woolcock A. Personal best and recent best peak flow in asthma management - implications for asthma crisis plans. Am J Respir Crit Care Med. 2000;161(3):A926.
84. Reddel H, Ware S, Marks G, Salome C, Jenkins C, Woolcock A. Time course and predictive value of peripheral inflammatory markers with inhaled budesonide treatment. Respirology. 2000;5(Suppl June):A18.
85. Reddel HK, Ware SI, Marks GB, Jenkins CR, Woolcock AJ. Peak flow is less variable during asthma exacerbations associated with respiratory infections than during periods of poor asthma control. Thoracic Society of Australia and New Zealand, Adelaide, March, 1998. Respirology 2000; 5 suppl: A123
86. Reddel HK, Ware SI, Marks GB, Salome CM, Jenkins CR, Woolcock AJ. Time course and predictive value of peripheral inflammatory markers with inhaled budesonide treatment. Am J Respir Crit Care Med. 2000;161(3):A314.
87. Salome C, Roberts A, Marks G, Woolcock A. Perception of methacholine induced bronchoconstriction. Thoracic Society of Australia and New Zealand, Adelaide, March, 1998. Respirology 2000; 5 suppl: A99
88. Salome CM, AM Roberts, SI Ware, HK Reddel, CR Jenkins, GB Marks and AJ Woolcock. Effect of budesonide on perception of breathlessness in asthmatic subjects. Thoracic Society of Australia and New Zealand, Melbourne, April, 2000. Respirology 2000; 5 suppl: A32
89. Salome CM, Roberts AM, Ware SI, Reddel HK, Jenkins CR, Marks GB and Woolcock AJ. Effect of budesonide on perception of breathlessness in asthmatic subjects. American Thoracic Society 2000
90. Soni R, Marks G, Robinson M, Henry D, Moriarty C, Parsons S, Taylor P, Bye P. Clinical outcome in patients with cystic fibrosis colonised with *Burkholderia cepacia* with reference to specific genotypes. Thoracic Society of Australia and New Zealand, Melbourne, April, 2000. Respirology 2000; 5 suppl: A53
91. Toelle B.G., Marks G.B., Belousova E.B., Xuan W, Peat J.K., Woolcock A.J. Longitudinal validation of an epidemiological definitions of asthma. Thoracic Society of Australia and New Zealand, Melbourne, April, 2000. Respirology 2000; 5 suppl: A6
92. Toelle BG, Marks GB, Belousova EG, Xuan W, Peat JK, Woolcock AJ. Longitudinal validation of an epidemiological definition of asthma. Eur Respir J. 2000;16(Suppl 31):473s.
93. Vanlaar CH, Mihrshahi S, Peat JK, Marks GB, Forbes S, Vukasin N, Wainwright C, Krause W, Prater G, Mellis C, Tovey ER. Settling Der p I is not affected by allergen control in beds.

Thoracic Society of Australia and New Zealand, Melbourne, April, 2000. *Respirology* 2000; 5 *Suppl*: A14

94. Xuan W, Marks GB, Toelle BG, Belousova E, Peat J, Woolcock A. Asthma is negatively associated with growth in height during adolescence. *Respirology*. 2000;5(Suppl June):A29.
95. Xuan W, Marks GB, Toelle BG, Peat JK, Berry G, Woolcock AJ. Age-specific gender differences in airway hyperresponsiveness and recent wheeze from childhood to young adulthood. Thoracic Society of Australia and New Zealand, Adelaide, March, 1998. *Respirology* 2000; 5 *Suppl*: A94
96. Belousova E, Mihrshahi S, Marks G, Peat J for the CAPS Team. Pregnancy and birth outcomes in women with asthma. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A9
97. Downie S, Downs S, Mitakakis, Salome C, Marks G. No association between atopy and month of birth. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A11
98. Downs SH, Marks GB, Mitakakis TZ, Car NG, Girgis ST, Belousova EG, Peat JK. Airborne concentrations of *Alternaria* spores and emergency hospital attendances for asthma. 2001 International Conference of the American Thoracic Society, San Francisco CA. Am J Respir Crit Care Med 2001; 163:A722
99. Downs SH, Mitakakis TZ, Marks GB, Car NG, Belousova EG, Leuppi JD, Xuan W, Downie SR, Tobias A, Peat JK. Clinical importance of *Alternaria* exposure in children. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A18
100. Leuppi JD, Downs SH, Downie SR, Marks GB, Salome CM. Exhaled nitric oxide is related to allergic sensitisation to house dust mite and cladosporium. *Eur Respir J*. 2001;18(Suppl 33):350s.
101. Marks GB, Downs SH, Mitakakis TZ, Car NG, Girgis ST, Belousova EG, Peat JK. Airborne concentrations of *Alternaria* spores and emergency hospital attendance for asthma. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A17
102. Mihrshahi S, Vanlaar C, Tovey E, Marks G, Peat J for the Childhood Asthma Prevention Study (CAPS) team. Effectiveness of house dust mite allergen reduction in infants' beds: a randomised controlled trial. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A18
103. Mihrshahi S, Vanlaar C, Tovey E, Marks G, Peat J for the Childhood Asthma Prevention Study (CAPS) team. Predictors of high house dust mite allergen (Der p I) concentrations in Sydney homes. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A49
104. Reddel HK, Marks GB, Salome CM, Jenkins CR, Woolcock AJ. A simple index of peak flow variation – longitudinal relationship with other markers of asthma control. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A3
105. Reddel HK, Marks GB, Salome CM, Jenkins CR, Woolcock AJ. A simple index of peak flow variation – longitudinal relationship with other markers of asthma control. 2001 International Conference of the American Thoracic Society, San Francisco CA. Am J Respir Crit Care Med 2001; 163:A316
106. Salome CM, Leuppi JD, Freed R, Marks GB, Woolcock AJ. ICS dose reduction and asthma exacerbation reduces the perception of airway narrowing. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 *Suppl*: A26
107. Salome CM, Leuppi JD, Freed R, Marks GB, Woolcock AJ. Reduction of inhaled steroids and asthma exacerbation reduces the perception of airway narrowing. 2001 International Conference of the American Thoracic Society, San Francisco CA. Am J Respir Crit Care Med 2001; 163:A582
108. Toelle BG, Marks GB, Xuan W, Peat JK, Woolcock AJ. Prognostic utility of childhood characteristics for predicting adult asthma. Thoracic Society of Australia and New Zealand.

Brisbane April, 2001. *Respirology* 2001; 6 Suppl: A11

109. Toelle BG, Marks GB, Xuan W, Peat JK, Woolcock AJ. Prognostic utility of childhood characteristics for predicting adult asthma. 2001 International Conference of the American Thoracic Society, San Francisco CA. *Am J Respir Crit Care Med* 2001; 163:A719

110. Vanlaar C, Marks G, Mihrshahi S, Peat J, Tovey E, for the Childhood Asthma Prevention Study (CAPS) team. Determinants of the concentration and rate of accumulation of house dust mite allergen in infants' cots. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 Suppl: A19

111. Xuan W, Marks GB, Toelle BG, Belousova EG, Peat JK, Berry G, Woolcock AJ. Longitudinal predicting equations for lung function between 8 and 20 years of age. Thoracic Society of Australia and New Zealand. Brisbane April, 2001. *Respirology* 2001; 6 Suppl: A17

112. Xuan W, Toelle BG, Marks GB, Peat JK, Woolcock AJ. Prognostic utility of childhood characteristics for predicting adult asthma. *Australian Epidemiologist*. 2001;8.3:16.

113. Yiu A, Mihrshahi S, Webb K, Peat J, Marks G and Leeder S. Compliance with the dietary regimen in a five-year trial of the primary prevention of asthma. Australian Nutrition Society Conference 2001. *Asia Pacific Journal of Clinical Nutrition* 2001; 10(suppl):S68

114. Downs SH, Andersson MK, Mitakakis TZ, Leuppi JD, Marks GB. Natural exposure to *Alternaria* induces allergic rhinitis symptoms. European Respiratory Society Conference, Berlin September, 2002. *Eur Respir J* 2002:

115. Ji X, Xuan W, Tovey ER, Peat JK, Marks GB. The relation between house dust mite allergen levels and the prevalence of asthma and atopy in children. 2002 Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand, Cairns, Australia. *Respirology* 2002; 7(suppl):A20

116. Johnson A, Yates D, Toelle B, Belousova E, Corbett S, Marks G. Occupational asthma in NSW: a population-based study. 2002 Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand, Cairns, Australia. *Respirology* 2002; 7(suppl):A50

117. Marks GB, Mihrshahi S, Peat JK, Mellis CM, Webb K, Tovey ER, Leeder SR and the CAPS Investigators. effects of house dust mite avoidance and dietary fatty acid modification during the first 18 months of life. 2002 International Conference of the American Thoracic Society, Atlanta GA. *Am J Respir Crit Care Med* 2002; 165:A244

118. Marks GB, Ng K, Zhou J, Toelle BG, Xuan W, Belousova EG, Britton WJ. The effect of neonatal BCG vaccination on atopy and Asthma at age 7 to 14 years: an historical cohort study. 2002 International Conference of the American Thoracic Society, Atlanta GA. *Am J Respir Crit Care Med* 2002; 165:A125

119. Marks GB, Ng K, Zhou J, Toelle BG, Xuan W, Belousova EG, Britton WJ. The effect of neonatal BCG vaccination on atopy and Asthma at age 7 to 14 years: an historical cohort study. 2002 Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand, Cairns, Australia. *Respirology* 2002; 7(suppl):A13

120. Mihrshahi S, Marks GB, Peat JK, Mellis CM, Leeder SR and the CAPS Investigators. Effects of house dust mite reduction and dietary omega-3 fatty acid supplementation from on atopy and wheeze in 18-month-old children. 2002 Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand, Cairns, Australia. *Respirology* 2002; 7(suppl):A23

121. Ng K, Toelle B, Belousova E, Xuan W, Nhan CV, Britton WJ, Marks GB. High prevalence of atopy among the australian-born children of asian women 2002 Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand, Cairns, Australia. *Respirology* 2002; 7(suppl):A13

122. O'Donnell1 AR, Toelle B, Marks G, Peat JK, Goldblatt J, Le Souef P. CD14 C-159T polymorphism is associated with childhood onset of atopy. 2002 International Conference of the American Thoracic Society, Atlanta GA. *Am J Respir Crit Care Med* 2002; 165:A659

123. Salome CM, Roberts A, Bittoun R, Marks GB. Is the perception of breathlessness affected by smoking or resting airflow obstruction. 2002 International Conference of the American

Thoracic Society, Atlanta GA. Am J Respir Crit Care Med 2002; 165:A663

124. Xuan W, Marks GB, Toelle BG, Peat JK, Berry G. Longitudinal predicting equations for lung function between 8 and 20 years of age. 2002 International Conference of the American Thoracic Society, Atlanta GA. Am J Respir Crit Care Med 2002; 165:A741

125. Xuan W, Toelle BG, Peat JK, Marks GB. Comparison of Skin test threshold values in a longitudinal population study of children. 2002 Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand, Cairns, Australia. Respirology 2002; 7(suppl):A28

126. Baker D, Marks G, Walker S, Xuan W, Van Der Hoeck R, Hargreaves J. The impact of changes to disease coding on asthma mortality and hospital morbidity statistics. Respirology. 2003;8(Suppl):A30.

127. Belousova E, Ng K, Toelle B, Marks G. Differences in lung function between children of Caucasian and Asian origin who were born in Australia. 2002 Annual Scientific Meeting of the Thoracic Society of Australia and New Zealand, Cairns, Australia. Respirology 2002; 7(suppl):A10

128. Belousova E, Xuan W, Toelle B, Ng K, Marks G. Changes in physical characteristics and spirometry of Australian children over the period of 10 years. Two Belmont Cohorts. Respirology 2003; 8:A7.

129. Brown N, King G, Xuan W, Ng K, Toelle B, Salome C, Marks G. Relationship between childhood asthma and plethysmographic lung volume in adult life. Respirology 2003; 8:A31.

130. Dobbin C, Miller J, Van Der Hoeck R, Baker D, Cumming R, Marks G. Trends in asthma mortality in Australia 1907-2000. Respirology. 2003;8(Suppl):A29.

131. Downie S, Salome C, Ng K, Toelle B, King G, Thorpe W, Marks G. Respiratory resistance variables reflect an underlying instability of resting tone in subjects with AHR. Respirology 2003; 8:A28.

132. Mihrshahi S, Peat J, Webb K, Marks G, Tovey E, Mellis C, et al. Plasma Omega-3 fatty acid levels and asthma in 18-month-old infants in the CAPS study: an 'as treated' analysis. Respirology. 2003;8(Suppl):A31.

133. Mihrshahi S, Vukasin N, Krause W, Wainwright C, Forbes S, Marks GB, et al. Compliance with SIDS prevention recommendations and education in the first year of the CAPS study. Respirology. 2003;8(Suppl):A64.

134. Munoz P, Salome C, Thorpe W, Marks G, Toelle B, Belousova E, Ng K, Berend N, King G. Resistance measured by plethysmography versus forced oscillation technique: use in a field study setting. Australia and New Zealand Society of Respiratory Science Annual Meeting, Adelaide 2003.

135. Ng K, Toelle BG, Belousova EG, Xuan W, Salome CM, Peat JK, Marks GB. Trends in the prevalence of asthma over 20 years in Belmont, NSW, Australia. Respirology 2003; 8:A31.

136. Salome CM, Xuan W, Starling-Schwanz R, Toelle B, Ng K, Marks G. Exhaled nitric oxide in adults and children. Respirology 2003; 8:A32.

137. Salome, CM, Xuan W, Toelle BG, Ng KW, Marks GB Schwanz RS. Comparison of exhaled nitric oxide in adults and children. Am J Respir Crit Care Med 2003; 167: A783.

138. Slader C, Marks G, Ng K, Toelle B, Jenkins C, Armour C, Reddel H, Bosnic-Anticevich S. Use of complementary and alternative medicine by people with asthma and wheeze. Respirology 2003; 8:A24.

139. Starling-Schwanz R, Salome CM, Toelle BG, Ng KW, Marks GB, Santos CM, Rimmer S. Utility and reproducibility of nasal peak inspiratory flow. Respirology 2003; 8:A29.

140. Toelle BG, Ng K, Belousova EG, Xuan W, Salome CM, Marks GB. Risk factors for wheeze in school children living in Belmont, NSW, Australia. Respirology 2003; 8:A30.

141. Toelle BG, Ng K, Belousova EG, Xuan W, Salome CM, Peat JK, Marks GB. Trends in the prevalence of asthma over 20 years in Belmont, NSW, Australia. Am J Respir Crit Care Med 2003; 167: A470.

142. Xuan W, Marks G, Baker D, Sadkowsky K, Trickett P. Demographic risk factors for asthma mortality. *Respirology* 2003; 8 (Suppl):A31.
143. Ampon RD, Mihrshahi S, Peat JK, Marks GB. Time to first diagnosis of asthma among the CAPS cohort. *Respirology* 2004; 9:A24.
144. Ampon RD, Williamson M, Poulos LM, Marks GB. The impact of asthma on quality of life. *Respirology* 2004; 9:A24.
145. Belousova E, Toelle B, Ng K, Marks G. Alternative definitions of current asthma: Belmont cohort. *Respirology* 2004; 9:A5.
146. Correll PK, Williamson M, Marks GB. Asthma severity and the impact on quality of life. *Respirology* 2004; 9:A24.
147. Crisafulli D, Mihrshahi S, Peat J, Tovey E, Marks G. Effectiveness of an intervention to reduce house dust mite allergen in children's beds over three years. *Respirology* 2004; 9:A5.
148. de Meer G, Ng K, Toelle BG, Marks GB. Relation between change in asthma prevalence and use of preventer medications. *Respirology* 2004; 9:A30.
149. Jenkins C, Abramson M, Marks G, Mellis C, Ruffin R, Willson D, et al. Symptoms of current doctor diagnosed asthma in Australia. *Eur Respir J*. 2004;24(48 Suppl).
150. Marks G, Crisafulli D, Davis S, Criss S, Mihrshahi S, Peat J, et al. T cell cytokine responses to house dust mite (HDM) stimulation in vitro: Relation to HDM avoidance and to HDM sensitisation at age 3 years. *Respirology* 2004; 9:A21.
151. Mihrshahi S, Marks GB, Kemp AS, Ampon MR, Peat JK. Risk factors for wheeze at 3 years of age. *Respirology* 2004; 9:A20.
152. Mihrshahi S, Peat JK, Marks GB, Kemp AS, Mellis CM, Tovey ER, et al. Primary prevention of allergic symptoms at age three in the childhood asthma prevention study (CAPS). *American Journal of Respiratory & Critical Care Medicine* 2004; 169:A722.
153. Munoz P, King G, Mihrshahi S, Ng K, Marks G. Effect of preventative interventions on respiratory system resistance in the childhood asthma prevention study. *Respirology* 2004; 9:A30.
154. Nguyen LN, Gilbert GL, Marks GB. Molecular epidemiology of tuberculosis and recent developments in understanding the epidemiology of tuberculosis. *Respirology* 2004; 9:313-9.
155. Nguyen LN, Jelfs P, Marks GB, Gilbert L. Molecular typing of mycobacterium tuberculosis and the presence of Beijing genotype strains in New South Wales. *Respirology* 2004; 9:A74.
156. Nguyen LN, Simpson SE, Marks GB. Preliminary results of an evaluation of a tuberculosis undertaking program for control of TB in migrants in Australia. *International Journal of Tuberculosis and Lung Disease* 2004; 8:S87.
157. Poulos L, Xuan W, Ampon RD, Williamson M, Marks GB. Access to spirometry in less accessible and remote areas of Australia. *Respirology* 2004; 9:A64.
158. Salome C, Ng K, Toelle B, Belousova E, Marks G. Exhaled nitric oxide as a predictor of asthma - a 5 years follow up. *Respirology* 2004; 9:A30.
159. Soni R, Dentice R, Marks G, Young IH, Bye PT. Acute effects of chest physiotherapy on gas exchange and wellbeing in server cystic fibrosis. *Respirology* 2004; 9:A51.
160. Tan M, Ware S, Johnson A, Berry G, Marks GB, Yates D. Incidence of mesothelioma in NSW. *Respirology* 2004; 9:A55.
161. Toelle BG, Dunn SM, Marks GB. A validated inhaler adherence scale. *International Conference of the American Thoracic Society, Orlando, May 2004. Am J Respir Crit Care Med* 2004; 169:A325
162. Toelle BG, Dunn SM, Marks GB. Factors associated with asthma practical knowledge. *Respirology* 2004; 9:A19.
163. Toelle BG, Dunn SM, Marks GB. Factors associated with non-adherence to prescribed

medication. International Conference of the American Thoracic Society, Orlando, May 2004. *Am J Respir Crit Care Med* 2004; 169:A364

164. Toelle BG, Ng K, Belousova E, Xuan W, Salome CM, Peat JK, Marks GB. Prognosis of childhood asthma in later life. *Respirology* 2004; 9:A5.

165. Toelle BG, Ng K, Belousova E, Xuan W, Salome CM, Peat JK, Marks GB. Among children with wheeze, the presence of AHR determines prognosis for asthma in later life. International Conference of the American Thoracic Society, Orlando, May 2004. *Am J Respir Crit Care Med* 2004; 169: A711.

166. Tovey ER, van Overveld AJP, O'Meara TJ, Marks GB. Trend for asthma severity to be associated with total aeroallergen exposure. *J Allergy Clin Immunol*. 2004;113(2, Supplement 1):S231.

167. Ware S, Yates D, Marks G, Toelle B, Belousova E, Ng K, et al. Prevalence of self-reported asthma and respiratory symptoms among middle aged and older adults in New South Wales. *Respirology* 2004; 9:A54.

168. Wilson D, Abramson M, Jenkins C, Marks G, Mellis C, Ruffin R, et al. Management of current doctor diagnosed asthma among adults in Australia. *European Respiratory Journal* 2004; 24.

169. Xuan W, Toelle BG, Ng K, Belousova E, Marks GB. Asthma in childhood and lung function decline in adulthood. *Respirology* 2004; 9:A28.

170. Ampon RD, Williamson M, Correll PK, Marks GB. Impact of asthma on self-reported health status and quality of life: a population based study of Australians aged 18-64. *Thorax* 2005; 60:735-9.

171. Belousova E, Williamson M, Britt H, Correll P, Marks G. General practice encounters for acute asthma. *Respirology* 2005; 10:A36.

172. Marks G, Mihrshahi S, Kemp A, Ampon R, Almqvist C, King G, et al. Relation of patterns of wheezing illness to atopy and spirometric function at age five years. *European Respiratory Journal* 2005; 26.

173. Marks GB, Poulos LM. A nationwide perspective on asthma in older Australians. *Med J Aust* 2005; 183:S14-S6.

174. Mihrshahi S, Marks GB, Oddy W, Peat JK. Effect of omega-3 fatty acid concentrations in plasma on symptoms of asthma at 3 years of age. *Respirology* 2005; 10:A75.

175. Nguyen LN, Christensen A, Simpson SE, Cassar C, Marks GB. Evaluation of tuberculosis surveillance program for migrants arriving in Australia on tuberculosis undertakings. *Respirology* 2005; 10:A21.

176. Poulos LM, Correll PK, Goss J, Marks GB. Health system expenditure on asthma 2000-01. *Respirology* 2005; 10:A36.

177. Toelle BG, Marks GB. The ebb and flow of asthma. *Thorax* 2005; 60:87-8.

178. Xuan W, Correll P, Sundararajan V, Ringland C, Williamson M, Marks G. Re-attendance for asthma within 28 days using emergency and hospital admission data. *Respirology* 2005; 10:A36.

179. Almqvist C, Garden F, Kemp A, Li J, Mihrshahi S, Tovey E, et al. Cat ownership decreases the risk of atopy in children in a cohort without disease-related modification of exposure. *Internal Medicine Journal* 2006; 26:A201.

180. Almqvist C, Garden F, Kemp A, Mihrshahi S, Tovey E, Xuan W, et al. The cat's grin is the same if it lives only outdoors. *Respirology* 2006; 11:A34.

181. Ampon R, Williamson M, Correll P, Marks G. Multiple cause of death data for asthma and chronic obstructive pulmonary disease (COPD). *Respirology* 2006; 11:A34.

182. Berry G, Ware S, Johnson A, Marks G, Yates D. Projected mesothelioma incidence in males in NSW. *Respirology* 2006; 11:A63.

183. Crisafulli D, Almqvist C, Marks G, Tovey E. Seasonal trends in house dust mite allergen concentration in Sydney beds measured over an eight-year period. *Internal Medicine Journal* 2006; 26:A203.
184. Jenkins C, Belousova E, Marks G, Reddel H. Intermittent or continuous inhaled corticosteroids for mild asthma. *Respirology* 2006; 11:A32.
185. Jenkins CR, Belousova EG, Marks GB, Reddel HK. Intermittent or Continuous Inhaled Corticosteroids for Mild Asthma? *Proceedings of the American Thoracic Society* 2006; 3:A213.
186. Marks G, Mihrshahi S, Kemp A, Tovey E, Webb K, Almqvist C, et al. Prevention of asthma during the first five years of life: a randomised controlled trial of house dust mit avoidance and dietary fatty acid modification. *Internal Medicine Journal* 2006; 36:A207.
187. Marshall NH, Almqvist C, Grunstein RR, Marks GB. Predictors of snoring in children with rhinitis at age 5: longitudinal birth cohort. *Sleep and Biological Rhythms* 2006; 4:A18.
188. Miedinger D, Chhajed PN, Stolz D, Leimenstoll B, Tamm M, Fiechter R, et al. Reliability and validity of a German asthma quality of life questionnaire. *Swiss Med Wkly* 2006; 136:89-95.
189. Mihrshahi S, Ampon R, Webb K, Almqvist C, Kemp AS, Hector D, et al. The association between infant feeding practices and atopy in children with a family history of asthma. *Internal Medicine Journal* 2006; 36:A207.
190. Ware S, Yates D, Johnson A, Marks G, Berry G. Negligible undercount in male mesothelioma incidence numbers recorded by the NSW central cancer registry. *Respirology* 2006; 11:A63.
191. Xuan W, Correll P, Ampon R, Williamson M, Marks G. Time trends in hospitalisations and deaths due to COPD and asthma among persons aged 55 and over, 1997-2003. *Respirology* 2006; 11:A35.
192. Ampon R, Waters A, Correll P, Marks GB. Influence of concessional status on use of inhaled corticosteroids. *Respirology* 2007; 12:A42.
193. Bird TE, Toelle BG, Hardaker KM, Espinel PT, Jenkins CR, Marks G. Effectiveness of recruitment strategies in the burden of lung disease (BOLD) study. *Respirology* 2007; 12:A49.
194. Dennis S, Zwar N, Marks G. Use of focus groups to explore the difficulties that GPs face in making a diagnosis of asthma in adults. *Respirology* 2007; 12:A24.
195. Diba C, King G, Marks G, Jenkins C, Bird T, Toelle B, et al. Bronchodilator response measure using FOT in older people. *Respirology* 2007; 12:A50.
196. Jenkins CR, Marks GB, Gibson PG, Wark P, Thien FC, Belousova E, et al. A randomised controlled trial of two algorithms for maintaining asthma control on long acting bronchodilators (LABA) and inhaled corticosteroids (ICS). *Respirology* 2007; 12:A40.
197. Marks GB, Almqvist C, Li Q, Kemp AJ, Tovey ER, Leeder SR. Effects of exposure to gas cookers during the first year of life on spirometric function and respiratory symptoms at age five years. *Respirology* 2007; 12:A34.
198. Marks GB, Jones G, Stewart GJ. Interaction between CD14 genotype and effect of house dust mite (HDM) on allergic disease. *Respirology* 2007; 12:A34.
199. Poulos L, Ampon R, Waters A, Correll P, Marks G. Asthma prevalence, management and outcomes in Australia: comparisons from two consecutive national health surveys. *Respirology* 2007; 12:A37.
200. Toelle B, Bird T, Hardaker K, Espinel P, Jenkins C, Marks G. COPD in the burden of lung disease (BOLD) study, Sydney, Australia. *Respirology* 2007; 12:A16.
201. Xuan W, Almqvist C, Marks G. Logitudinal pattern of acquisition of sensitisation to aeroallergens before age 5 years and its relation to early life sensitisation to ingested allergens. *Respirology* 2007; 12:A37.

### Reports

1. Report on Survey of Health and Social Status of Aged Population of South Sydney Municipality. 1978. (I was sole author)
2. Report of the Working Group on Prevention of Asthma for the NSW Health Department. Asthma and the environment: perspectives on the prevention of asthma. 1997 (GBM was chairman of working group)
3. Marks GB. Air Quality and Community Health. Technical Paper on Community Health for Second Sydney Airport Environmental Impact Statement 1997
4. Woolcock AJ, Brown NJ, Downs SH, Marks GB, King GG. The respiratory health of workers in the Australian glass wool and rock wool manufacturing industry - 1995 survey. Report prepared for Insulation Wools Advisory Board, 1997
5. Salome CM, Marks GB. The effect of low irritant insecticide aerosol on lung function, airway hyperresponsiveness and symptoms in asthmatic subjects. Report prepared for R&C Products Pty Ltd, April, 1998.
6. Marks GB. Supplementary report for Second Sydney Airport Environmental Impact Statement 1998
7. Marks GB. Report to MONAHP on PNG Epidemiology Teaching Workshop
8. Marks GB. Health effects of air quality impacts. Cross City Tunnel. Report for Cross City Tunnel Environmental Impact Statement. August 2000.
9. Toelle BG, Marks GB. Potential community health impacts associated with construction: Cross City Tunnel. Report for Cross City Tunnel Environmental Impact Statement. August 2000.
10. Marks GB. Report for Asthma Australia on mite avoidance products April, 2001
11. Marks GB. Health Effects of Air Quality Impacts: Lane Cove Tunnel. Report for Environmental Impact Statement. October 2001
12. Torzillo PJ, Marks GB. Toelle BG. Algorithm for the management of recurrent wheezing illness in children aged under six years in low income countries. Consultation document prepared for Department of Child and Adolescent Health and Development, World Health Organisation. November, 2001

### Four Most Significant Publications

- Marks GB, Dunn SM, Woolcock AJ. A scale for the measurement of quality of life in adults with asthma. *J Clin Epidemiol* 1992; 45:461-74.

This was the first report of the development of the Asthma Quality of Life Questionnaire (AQLQ). A subsequent paper reported the validation of this instrument and it has since been used in clinical trials in Australia and internationally and has been translated into several languages.

- Marks GB, Colquhoun JR, Grgis ST, Hjelmroos-Koski M, A. TAB, Hansen P, et al. Thunderstorm outflows preceding epidemics of asthma during spring and summer. *Thorax* 2001; 56:468-71.

This reports the findings on an investigation of a severe epidemic of asthma, in which 215 people attended a hospital Emergency Department within a few hours of arrival of a thunderstorm. This paper identifies those who are at risk of this event, explains the mechanism for the event, and lays the groundwork for recommendations to minimise the impact of future events. It changes current thinking about the potential for high level allergen exposure to induce asthma in allergic people who have not previously experienced asthma.

- Phoa LL, Toelle BG, Belousova EG, Marks GB. Effects of gas and other fume emitting heaters on the development of asthma during childhood. *Thorax* 2004; 59:741-45.

In this manuscript we show for the first time, that irritant exposures during the first year of life, can have respiratory consequences, manifest as wheeze and airway hyperresponsiveness, during later childhood. This has important implications for further research and, potentially, for interventions to

prevent asthma.

- Australian Centre for Asthma Monitoring. 2003. Asthma in Australia 2003. Report. Report No.: AIHW Cat. no. ACM1. Canberra: Australian Institute of Health and Welfare

This is the first report of the Australian Centre for Asthma Monitoring. It is a unique aggregation of data on asthma in Australia, derived from a wide range of government and non-government sources.